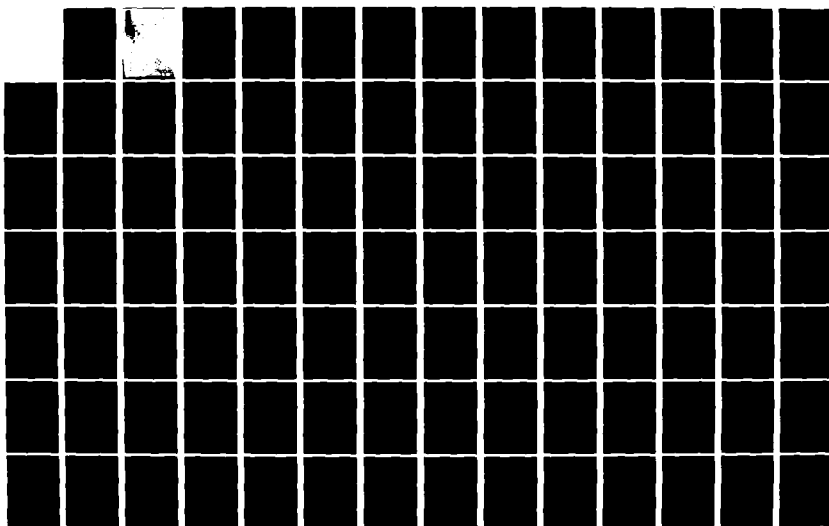
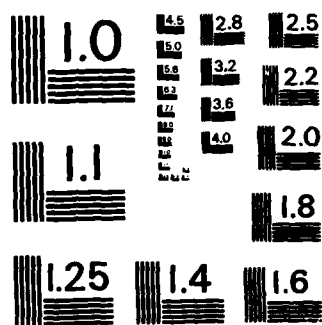


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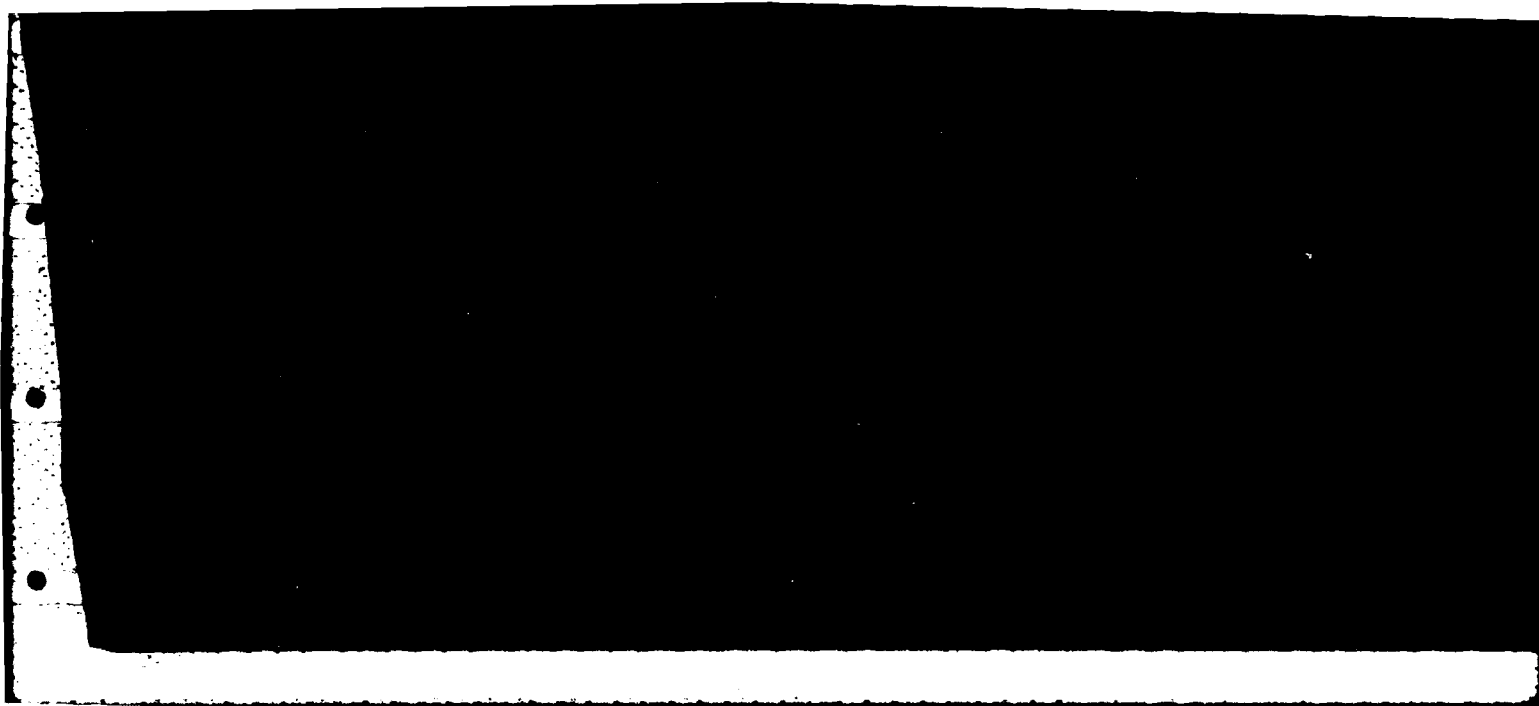
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21. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report presents a combination glossary and cross-reference capability for the reference engagement simulation (REFSIM) facility and for its associated hybrid models.		

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REFSIM HANDBOOK OF VARIABLE NAMES

1. INTRODUCTION

This handbook provides a combined glossary and composite cross-reference capability for the variable names used in the common areas of the reference engagement simulation (REFSIM) modeling facility and in two additional hybrid models which use REFSIM. These hybrid models are the ECM applications model (ECMAFP) and the SLQ-32 applications model (SLQAFP).

Three cross-reference/glossaries are included as APPENDICES A, B, and C, and are preceded by brief sections which describe their use and limitations. Appendix D lists additional definitions which were too long to be included in the glossary format.

2. BACKGROUND

In REFSIM, almost all of the program-to-program communication is by named common area, rather than by calling sequence. The new person becoming familiar with REFSIM needs to be able to "ferret out" and comprehend such interfaces between subroutines of interest to him. This handbook has been designed to assist him in this task.

3. EXAMPLE OF HANDBOOK USE WITH REFSIM

Consider the following typical situation: a new modeler has come "on board" and is in the process of familiarizing himself with the REFSIM programs. Suppose he is currently looking at subroutine AUTO2 at the "IF" statement below which computes DIPSID (if MODE is greater than 2):

```
SUBROUTINE AUTO2
.
.
C $INSERT REFCOM$COMMON$C.AIRSR(inserts following:)
COMMON /AIRSR/ ALPH,BETA,THTC,PSI,PERR,PSID,MODE,
1             IFFALT,IFFLCY,IFFECY,IFFECP,IFFTRM,IFFROT,
2             IFFDUP,IFFCHP,IFFAIR,IFFOLT,IFFATP,IFFPAT,
3             IFFANT,IFFERR
.
.
IF(MODE.GT.2) DIPSID=DV1 - 2.44*PSID
```

Perhaps he is interested in the variable named PSIB. What does it contain? What are its units? Where was it computed? In what other programs is it used?

These are the kinds of questions that the combination cross-reference/glossary can answer. The entry for PSIB appears as follows in the REFSDI cross-reference:

REFSDI Cross-Reference/Glossary				
Symbol	Description	T Common	Routine	L File
PSIB	Dish yaw angle relative to missile body in degrees.	R	/AIRSIR/ AUTO2	L REPAIR
		R	/AIRSIR/ AUTO3	L REPAIR
		R	/AIRSIR/ INITS	M L REFSEK
		R	/AIRSIR/ INT2	M L REFSEK

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

The above excerpt reveals the following about PSIB:

- 1) It contains the "dish yaw angle relative to missile body in degrees."
- 2) Its type is REAL*4 (indicated by the R under column T.)
- 3) PSIB is contained in named common area /AIRSIR/.
- 4) PSIB appears only in four programs: AUTO2, AUTO3, INITS, and INT2. This is very important and illustrates the value of this cross-reference package. There are presently over 140 subroutines in REFSDI, but now the new person only has to look at four of them to investigate all uses of his current variable of interest, PSIB.
- 5) The "M" which appears between the "Routine" column and the "L File" column indicates the routines where variables are modified (i.e. computed or stored). Therefore PSIB is accessed in AUTO2 and AUTO3 and is modified in INITS and INT2.
- 6) The rightmost column of the cross-reference listing contains the "L File" in which the subroutine was contained and therefore is an indirect indicator of the REFSDI UPD where the subroutine resides. Thus, AUTO2 and AUTO3 came from within UPD REPAIR and INITS and INT2 came from within UPD REFSEK.

4. EXAMPLE OF HANDBOOK USE WITH SCHAPP (OR SLAPP)

The entry for PSIB in the SCHAPP cross-reference appears as follows:

SCWAPP Cross-Reference/Glossary

Symbol	Description	T	Common	Routine	L_File
PSIB	Dish yaw angle relative to missile body in degrees.	R	/AIRSIR/	AUTO2	L REPAIR
		R	/AIRSIR/	AUTO3	L AIR
		R	/AIRSIR/	INITS	M L COVID
		R	/AIRSIR/	INT2	M L REFSEK

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

This entry shows that again PSIB happens to appear in four sub-routines. However, in this entry two of the "L File" (listing file) names, L AIR and L COVID, do not begin with "REF", hence the associated subroutines AUTO3 and INITS are obtained from SCWAPP, not from REFSM.

It may appear from the preceding example that the only difference between the REFSM cross-reference and the SCWAPP cross-reference are the "L-File" names. However, this is not the case. Consider the following excerpts for the variable "RF":

REFSM Cross-Reference/Glossary

Symbol	Description	T	Common	Routine	L_File
RF	Radar frequency in hertz.	R	/SCINT/	INITR	M L REFSM
		R	/SCINT/	SWRCS	L REFSM
		R	/SCINT/	TCORSC	L REFSM
		R	/SCINT/	CRITRA	L REFSM
		R	/SCINT/	INITS	M L REFSM

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

SCWAPP Cross-Reference/Glossary

Symbol	Description	T	Common	Routine	L_File
RF	Radar frequency in hertz.	R	/SCINT/	INITS	M L COVID
		R	/SCINT/	INITD	L CORE
		R	/SCINT/	SWRCS	L REFSM
		R	/SCINT/	TCORSC	L REFSM

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

Note that the REFSDM excerpt includes two routines, INTR and CRTRA, which are not in the SDAPP excerpt, and that the latter contains one routine, DITD, which is not in the REFSDM excerpt.

5. LIMITATIONS

The following limitations apply to the tables in this handbook:

1) Not all parameters are passed through common. Those which are passed through calling sequences do not appear.

2) Certain logical flags which are read from the input scenario file via an equivalenced block do not show the usual "N" after INIT2, the subroutine which reads them. However, the "Description" field is annotated accordingly as "Read in DIT2". These logical flags are: LCLUTR, LCONRT, LWRATH, LORSE, LPLOT, LPRINT, LREPT, LSCINT, LSTOP, and LTRER.

3) Certain variables appear in the cross-reference/glossaries which are not actually in common themselves, but which are equivalenced to common variables.

APPENDIX A - REFSIM Cross-Reference/Glossary

Symbol	Description	T	Common	Routine	L_File
ACON	Constant part of one-way range equation: $300 \cdot \sqrt{X_{LNER}^2 + Y_{LNER}^2}$	R	/SIGEN/	BCN	L_REFSCH
		R	/SIGEN/	INIT5	M L_REFSEK
		R	/SIGEN/	MOD2	L_REFSEK
		R	/SIGEN/	TARGO	L_REFSEK
ACTCON	Square root of the constant part of one-way range equation.	R	/ACONS/	BCN	L_REFCH
		R	/ACONS/	KUTRG	M L_REFSEK
		R	/ACONS/	KUTRGV	L_REFSEK
		R	/ACONS/	KUTRGV	L_REFSEK
AE	Work vector for scintillation model.	R	/ACONS/	AMRCS	M L_REFBANT
		R	/ACONS/	INITE	M L_REFBANT
AEPH	Azimuth error signal in degrees/second.	R	/PARM/	INIT5	M L_REFSEK
		R	/PARM/	DISK2	M L_REFSEK
		R	/PARM/	DISK1	M L_REFSEK
AGCCON	Natural logarithm of 10.	R	/ACC/	ACC2	L_REFSEK
		R	/ACC/	INIT5	M L_REFSEK
AI	Work vector for scintillation model.	R	/ACONS/	AMRCS	M L_REFBANT
		R	/ACONS/	INITE	M L_REFBANT
ALPH	Missile angle of attack in degrees.	R	/ADIRS/	MAIN	L_REFADIR
		R	/ADIRS/	ABO2	L_REFADIR
		R	/ADIRS/	ABO3	L_REFADIR
		R	/ADIRS/	ABO4	L_REFADIR
		R	/ADIRS/	KINE2	L_REFADIR
		R	/ADIRS/	DUPIT	L_REFADIR
		R	/ADIRS/	INTDM	M L_REFADIR
		R	/ADIRS/	INTDR	M L_REFADIR
		R	/ADIRS/	INTDS	M L_REFADIR
		R	/ADIRS/	INT5	L_REFSEK
		R	/ADIRS/	INT2	M L_REFSEK
		R	/ADIRS/	INT4	M L_REFSEK
		R	/ADIRS/	PRDIT2	L_REFSEK
ALPIC	Midcourse altimeter setting in meters.	R	/AUTO/	AUTO2	L_REFADIR
		R	/AUTO/	AUTO3	L_REFADIR
		R	/AUTO/	INTDR	M L_REFADIR
		R	/AUTO/	INTDS	M L_REFADIR
ANADIA	Antenna aperture diameter in meters.	R	/GLINT/	OUTRA	L_REFBANT
ANCHO	Angle noise array.	R	/GLINT/	ANCR	M L_REFBANT
		R	/GLINT/	ANCR	M L_REFBANT
		R	/GLINT/	OUTRA	M L_REFBANT
		R	/GLINT/	GLINT2	L_REFBANT
		R	/GLINT/	REDIA	M L_REFBANT
		R	/GLINT/	WDRCE	M L_REFBANT
ANGPS1	Previous value of PS1PC; used in ANGIST.	R	/REFLIS/	REFINT	M L_REFBANT
		R	/REFLIS/	ANGIST	M L_REFBANT
ANGP2	Azimuth angle for which interpolation is to be done in degrees.	R	/INTERP/	INTPTN	M L_REFBANT
		R	/INTERP/	INT11	M L_REFSEK
		R	/INTERP/	INT12	M L_REFSEK

NOTES: *M* column indicates variable is modified.
 T column heading indicates type attribute.

APPENDIX A - REFSEM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
ANTEL	Elevation angle for which interpolation is to be done in degrees.	R	/INTERP/	ANTNA1	L_REFSEM
		R	/INTERP/	ANTNA2	L_REFSEM
		R	/INTERP/	NTTGV	M L_REFSEM
		R	/INTERP/	NODM13	M L_REFSEM
		R	/INTERP/	NLTPH	M L_REFSEM
		R	/INTERP/	ANT11	M L_REFSEM
		R	/INTERP/	ANT12	M L_REFSEM
		R	/INTERP/	ANTNA1	L_REFSEM
		R	/INTERP/	ANTNA2	L_REFSEM
		R	/INTERP/	NTTGV	M L_REFSEM
ASAT	Decoy azimuth antenna pattern array.	R	/INTERP/	NODM13	M L_REFSEM
		R	/DCOL/	INTTR	M L_REFSEM
ASP	Previous value of aspect angle in degrees.	R	/DCOL/	AZMAT	L_REFSEM
		R	/SCDR/	DANG	M L_REFSEM
AUTOM	Gain for PSID feedback circuit. See also APPENDIX D.	R	/SCDR/	INTTS	M L_REFSEM
		R	/AUTO/	AUTO3	L_REFSEM
AUTOL	Lower limits for PSID, THID, DELP, or DELY. See also APPENDIX D.	R	/AUTO/	INTTR	M L_REFSEM
		R	/AUTO/	INTTS	M L_REFSEM
		R	/AUTO/	INTTR	M L_REFSEM
		R	/AUTO/	INTTS	M L_REFSEM
AUTOU	Upper limits for PSID, THID, DELP, or DELY. See also APPENDIX D.	R	/AUTO/	INT2	L_REFSEM
		R	/AUTO/	INTTR	M L_REFSEM
		R	/AUTO/	INTTS	M L_REFSEM
		R	/AUTO/	INT2	L_REFSEM
AUX2	Equivalenced to "YERR" (yaw error signal).	R	/AUTO/	INT2	L_REFSEM
AUX3	Seeker pitch error signal (before filtering).	R	/AUXR/	DISH	M L_REFSEM
AZ	Angle of threat off decoy bore-sight in azimuth degrees.	R	/COTR/	DOTR	M L_REFSEM
AZDIF1	Azimuth difference pattern (imaginary part).	R	/DCOL/	PAILOD	M L_REFSEM
AZDIFR	Azimuth difference pattern (real part).	I	/PATM1/	ANT12	L_REFSEM
		I	/PATM1/	ANTNA2	L_REFSEM
SCON	Part of range equation: $500 \cdot \pi \cdot \text{ELVEN} \cdot \pi^2 / \pi^2$	I	/PATM1/	ANT12	L_REFSEM
		I	/PATM1/	ANTNA2	L_REFSEM
SETA	Missile sideslip angle in degrees.	R	/VCOR/	PAILOD	L_REFSEM
		R	/VCOR/	INTTS	M L_REFSEM
		R	/AEROR/	PAIN	L_REFSEM
		R	/AEROR/	ASO2	L_REFSEM
		R	/AEROR/	ASO3	L_REFSEM
		R	/AEROR/	ASO4	L_REFSEM
		R	/AEROR/	KINE2	L_REFSEM
		R	/AEROR/	DUMPT	L_REFSEM
		R	/AEROR/	INTTR	M L_REFSEM
		R	/AEROR/	INTTS	M L_REFSEM
		R	/AEROR/	INT2	M L_REFSEM

NOTES: "W" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX A - REFSEM Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L_File
BLOCIN Array which holds the "signature" parameters for run.	R	/AIRSIG/	INT4	N L REFSEEK
	R	/AIRSIG/	PRINT2	L REFSEEK
	I	/SIGMAT/	MAIN	N L REPMADN
	I	/SIGMAT/	MAIN	N L REPMADN
	I	/SIGMAT/	MAIN	L REPMADN
BNDWTH Bandwidth of the "pass-band" in radians/second.	I	/SIGMAT/	DUMPT	L REPAIR
	I	/SIGMAT/	PRINT2	L REFSEEK
	R	/NBULK/	NPINIT	N L REPMANT
BSGAIN Foresight antenna gain (voltage gain).	R	/NBULK/	NPMADN	N L REPMANT
	R	/CSGAN/	ANT11	N L REFSEEK
	R	/CSGAN/	ANT12	N L REFSEEK
	R	/CSGAN/	ANT1	N L REFSEEK
	R	/CSGAN/	NUTGV	L REFSEEK
	R	/CSGAN/	NUTGV	L REFSEEK
	R	/CSGAN/	MODM3	L REFSEEK
BSRV Pitch base servo angle in degrees.	R	/NSV	AUTO4	L REPAIR
	R	/NSV	DUMPT	L REPAIR
	R	/NSV	INTDM	N L REPAIR
	R	/NSV	INT4	N L REFSEEK
CBEL Longitudinal center of RCS distribution in meters.	R	/BANT/	CENTER	L REPMANT
	R	/BANT/	DAREFL	N L REPMANT
CBEM Transverse center of RCS distribution in meters.	R	/BANT/	CENTER	L REPMANT
	R	/BANT/	DAREFL	N L REPMANT
CKEM Multiplier to convert knots to meters/second.	R	/CONST/	INT4	L REPMANT
	R	/CONST/	INT5	L REPMANT
	R	/CONST/	INTC	N L REFSEEK
	R	/CONST/	DECOY	L REPTOT
CLEVEL Closing velocity. Will be needed for "moving multipath".	R	/CONST/	SHIP	L REPTOT
	R	/NBATH/	INT5	N L REPMANT
CUTPRQ RF spectrum center frequency in radians/second.	R	/NBULK/	NPINIT	N L REPMANT
	R	/NBULK/	NPMADN	L REPMANT
COLEV Elevation angle coefficient array.	R	/BANE/	ELSTR	L REPMANT
	R	/BANE/	INT5	N L REPMANT
COSPB1 Previous value of cosine of PSBPC; used in SIGST.	R	/NBULK/	NPINIT	N L REPMANT
	R	/NBULK/	SIGST	N L REPMANT
CPTCH Previous value of cosine of pitch.	R	/KINE/	KINE2	N L REPAIR
	R	/KINE/	INTDM	N L REPAIR
	R	/KINE/	INTDM	N L REPAIR
CSTD Multiplier to convert radians to degrees.	R	/CONST/	ASR04	L REPAIR
	R	/CONST/	KINE2	L REPAIR
	R	/CONST/	KINE4	L REPAIR
	R	/CONST/	INTDM	N L REPAIR
	R	/CONST/	MISS	L REPAIR
	R	/CONST/	AMPCS	L REPMANT
	R	/CONST/	SMTAN	L REPMANT

NOTES: "N" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L File
	R	/CONST/	TARANG	L REFENVMT
	R	/CONST/	TCORSC	L REFENVMT
	R	/CONST/	SCLDEN	L REFENVMT
	R	/CONST/	SCLSPC	L REFENVMT
	R	/CONST/	INITE	L REFENVMT
	R	/CONST/	ANGVA	L REFENVMT
	R	/CONST/	CENTER	L REFENVMT
	R	/CONST/	CRITRA	L REFENVMT
	R	/CONST/	GLINT2	L REFENVMT
	R	/CONST/	REFANG	L REFENVMT
	R	/CONST/	WTACE	L REFENVMT
	R	/CONST/	MLTPTH	L REFENVMT
	R	/CONST/	SCAN2	L REFSEEK
	R	/CONST/	INITC	M L REFSEEK
	R	/CONST/	INIT5	L REFSEEK
	R	/CONST/	INT2	L REFSEEK
	R	/CONST/	MOD2	L REFSEEK
	R	/CONST/	RGATE	L REFSEEK
	R	/CONST/	DECOY	L REFTGT
	R	/CONST/	SHIP	L REFTGT
CSCAN Cosine of beam scanner angle.	R	/SCAN/	MLTPTH	L REFENVMT
	R	/SCAN/	SCAN2	M L REFSEEK
	R	/SCAN/	DEM0D2	L REFSEEK
	R	/SCAN/	MOD2	L REFSEEK
	R	/SCAN/	MODPLX	L REFSEEK
	R	/SCAN/	TARGVD	L REFSEEK
CURLOC Current location.	I	/MILK/	MILCKI	M L REFSEEK
	I	/MILK/	MILLOCK	M L REFSEEK
CYAW Previous value of cosine of yaw.	R	/KINE/	KINE2	M L REPAIR
	R	/KINE/	INITHR	M L REPAIR
	R	/KINE/	INITMS	M L REPAIR
DIALPH Angle of attack rate in degrees/second.	R	/AERO/	AERO2	M L REPAIR
	R	/AERO/	AERO3	M L REPAIR
	R	/AERO/	AERO4	M L REPAIR
	R	/AERO/	INITHR	M L REPAIR
	R	/AERO/	INITMS	M L REPAIR
	R	/AERO/	INT2	L REFSEEK
	R	/AERO/	INT4	L REFSEEK
DIBETA Sideslip rate in degrees/second.	R	/AERO/	AERO2	M L REPAIR
	R	/AERO/	AERO3	M L REPAIR
	R	/AERO/	AERO4	M L REPAIR
	R	/AERO/	INITHR	M L REPAIR
	R	/AERO/	INITMS	M L REPAIR
	R	/AERO/	INT2	L REFSEEK
	R	/AERO/	INT4	L REFSEEK
DIBSRV Pitch base servo angle rate in	R	/ARM/	AUTO4	M L REPAIR

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	degrees/second.	R	/ARM/	INT4	L_REFSEEK
DIDEA	Aileron deflection angle rate for roll in degrees/second.	R	/ARMROL/	AUTO4	M L_REPAIR
		R	/ARMROL/	INT4	L_REFSEEK
DIDELP	Elevator rate in degrees/second.	R	/AUTO/	AUTO2	M L_REPAIR
		R	/AUTO/	AUTO3	M L_REPAIR
		R	/AUTO/	AUTO4	M L_REPAIR
		R	/AUTO/	INITHR	M L_REPAIR
		R	/AUTO/	INITMS	M L_REPAIR
		R	/AUTO/	INT2	L_REFSEEK
		R	/AUTO/	INT4	L_REFSEEK
DIDELY	Rudder rate in degrees/second.	R	/AUTO/	AUTO2	M L_REPAIR
		R	/AUTO/	AUTO3	M L_REPAIR
		R	/AUTO/	AUTO4	M L_REPAIR
		R	/AUTO/	INITHR	M L_REPAIR
		R	/AUTO/	INITMS	M L_REPAIR
		R	/AUTO/	INT2	L_REFSEEK
		R	/AUTO/	INT4	L_REFSEEK
DIGAMP	Pitch velocity vector angle rate in degrees/second.	R	/ARM/	AERO4	M L_REPAIR
		R	/ARM/	INT4	L_REFSEEK
DIGAMPY	Yaw velocity vector angle rate in degrees/second.	R	/ARM/	AERO4	M L_REPAIR
		R	/ARM/	INT4	L_REFSEEK
DIPN1	Missile body roll angle rate in degrees/second.	R	/ARMROL/	AERO4	L_REPAIR
		R	/ARMROL/	AUTO4	L_REPAIR
		R	/ARMROL/	INITAM	M L_REPAIR
		R	/ARMROL/	INT4	M L_REFSEEK
DIPINT	Pitch integrator input in degrees/second.	R	/AUTO/	AUTO2	M L_REPAIR
		R	/AUTO/	AUTO3	M L_REPAIR
		R	/AUTO/	INITHR	M L_REPAIR
		R	/AUTO/	INITMS	M L_REPAIR
		R	/AUTO/	INT2	L_REFSEEK
DIPS1	Yaw rate in degrees/second.	R	/AERO/	AERO2	L_REPAIR
		R	/AERO/	AERO3	L_REPAIR
		R	/AERO/	AERO4	L_REPAIR
		R	/AERO/	AUTO2	L_REPAIR
		R	/AERO/	AUTO3	L_REPAIR
		R	/AERO/	AUTO4	L_REPAIR
		R	/AERO/	INITAM	M L_REPAIR
		R	/AERO/	INITHR	M L_REPAIR
		R	/AERO/	INITMS	M L_REPAIR
		R	/AERO/	INT2	M L_REFSEEK
		R	/AERO/	INT4	M L_REFSEEK
DIPS1D	Yaw base servo input in degrees/second.	R	/AUTO/	AUTO2	M L_REPAIR
		R	/AUTO/	AUTO3	M L_REPAIR
		R	/AUTO/	AUTO4	M L_REPAIR
		R	/AUTO/	INITHR	M L_REPAIR
		R	/AUTO/	INITMS	M L_REPAIR

NOTES: *M* column indicates variable is modified.

T column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
DIRALT	Rate altimeter input in meters/ second.	R	/AUTO/	INT2	L_REFSEEK
		R	/AUTO/	INT4	L_REFSEEK
		R	/AUTO/	AUTO2	M L_REFAIR
		R	/AUTO/	AUTO3	M L_REFAIR
		R	/AUTO/	INITHR	M L_REFAIR
		R	/AUTO/	INITMS	M L_REFAIR
DITHET	Missile pitch rate in degrees/second.	R	/AUTO/	INT2	L_REFSEEK
		R	/AERO/	AERO2	L_REFAIR
		R	/AERO/	AERO3	L_REFAIR
		R	/AERO/	AERO4	L_REFAIR
		R	/AERO/	AUTO2	L_REFAIR
		R	/AERO/	AUTO3	L_REFAIR
		R	/AERO/	AUTO4	L_REFAIR
		R	/AERO/	INITAM	M L_REFAIR
		R	/AERO/	INITHR	M L_REFAIR
		R	/AERO/	INITMS	M L_REFAIR
		R	/AERO/	INT2	M L_REFSEEK
		R	/AERO/	INT4	M L_REFSEEK
DITHNT	Uncaged pitch lead gyro angle rate in degrees/second.	R	/ARM/	AUTO4	M L_REFAIR
		R	/ARM/	INT4	L_REFSEEK
DITHTD	Pitch base servo input in degrees/ second.	R	/AUTO/	AUTO2	M L_REFAIR
		R	/AUTO/	AUTO3	M L_REFAIR
		R	/AUTO/	AUTO4	M L_REFAIR
		R	/AUTO/	INITHR	M L_REFAIR
		R	/AUTO/	INITMS	M L_REFAIR
		R	/AUTO/	INT2	L_REFSEEK
DITHYL	Yaw lead gyro rate in degrees/second.	R	/AUTO/	INT4	L_REFSEEK
		R	/AUTO/	AUTO2	M L_REFAIR
		R	/AUTO/	AUTO3	M L_REFAIR
		R	/AUTO/	AUTO4	M L_REFAIR
		R	/AUTO/	INITHR	M L_REFAIR
		R	/AUTO/	INITMS	M L_REFAIR
		R	/AUTO/	INT2	L_REFSEEK
		R	/AUTO/	INT4	L_REFSEEK
		R	/ARM/	AERO4	M L_REFAIR
		R	/ARM/	INT4	L_REFSEEK
DIVEL	Acceleration of missile in meters/ second**2.	R	/ARM/	AERO4	M L_REFAIR
DIWTLO	Weight loss rate in kilograms/ second**2.	R	/ARM/	INT4	L_REFSEEK
		R	/ARM/	AERO4	M L_REFAIR
		R	/ARM/	DUMPIT	L_REFAIR
DIXMT	Missile-to-target X rate in meters/ second.	R	/ARM/	INT4	L_REFSEEK
		R	/ARMKIN/	KINE4	M L_REFAIR
		R	/ARMKIN/	INITAM	M L_REFAIR
		R	/ARMKIN/	MISS	L_REFAIR
DLXT	X component of target velocity in meters/second.	R	/ARM/	MAIN	L_REFMAIN
		R	/ARM/	KINE4	M L_REFAIR
		R	/ARM/	INT4	L_REFSEEK
DIYMT	Missile-to-target Y rate in meters/	R	/ARMKIN/	KINE4	M L_REFAIR

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
	second.	R	/ARMKIN/	INITAM	M	L REFAIR
		R	/ARMKIN/	MISS		L REFAIR
D1YT	Y component of target velocity in meters/second.	R	/ARM/	MAIN		L REFMAIN
		R	/ARM/	KINE4	M	L REFAIR
		R	/ARM/	INT4		L REFSEEK
D1ZMT	Missile-to-target Z rate in meters/second.	R	/ARMKIN/	KINE4	M	L REFAIR
		R	/ARMKIN/	INITAM	M	L REFAIR
		R	/ARMKIN/	MISS		L REFAIR
D2PHI	Acceleration of missile body roll angle in degrees/second**2.	R	/ARMROL/	AERO4	M	L REFAIR
		R	/ARMROL/	INT4		L REFSEEK
D2PSI	Missile yaw acceleration in degrees/second**2.	R	/AERO/	AERO2	M	L REFAIR
		R	/AERO/	AERO3	M	L REFAIR
		R	/AERO/	AERO4	M	L REFAIR
		R	/AERO/	INITHR	M	L REFAIR
		R	/AERO/	INITMS	M	L REFAIR
		R	/AERO/	INT2		L REFSEEK
		R	/AERO/	INT4		L REFSEEK
D2THET	Missile pitch acceleration in degrees/second**2.	R	/AERO/	AERO2	M	L REFAIR
		R	/AERO/	AERO3	M	L REFAIR
		R	/AERO/	AERO4	M	L REFAIR
		R	/AERO/	INITHR	M	L REFAIR
		R	/AERO/	INITMS	M	L REFAIR
		R	/AERO/	INT2		L REFSEEK
		R	/AERO/	INT4		L REFSEEK
DAPT	Antenna azimuth difference pattern.	I	/PATSYM/	ANTI	M	L REFSEEK
DAZTMP	Equivalenced to "CVDOAZ".	R	/CV/	DOTPR		L REFSEEK
DECTON	Decoy turn on time in seconds after launch.	R	/PARAM/	INITC	M	L REFSEEK
		R	/PARAM/	DECOY		L REFTGT
DELA	Aileron deflection angle for roll in degrees.	R	/ARMROL/	MAIN		L REFMAIN
		R	/ARMROL/	AERO4		L REFAIR
		R	/ARMROL/	AUTO4		L REFAIR
		R	/ARMROL/	DUMPIT		L REFAIR
		R	/ARMROL/	INITAM	M	L REFAIR
		R	/ARMROL/	INT4	M	L REFSEEK
DELASP	Delta aspect angle in degrees.	R	/SCINT/	DECHO		L REFENVMT
		R	/SCINT/	TARANG		L REFENVMT
		R	/SCINT/	INITE	M	L REFENVMT
DELP	Elevator angle in degrees.	R	/AERO/	MAIN		L REFMAIN
		R	/AERO/	AERO2		L REFAIR
		R	/AERO/	AERO3		L REFAIR
		R	/AERO/	AERO4		L REFAIR
		R	/AERO/	AUTO2		L REFAIR
		R	/AERO/	AUTO3		L REFAIR
		R	/AERO/	AUTO4		L REFAIR
		R	/AERO/	DUMPIT		L REFAIR
		R	/AERO/	INITAM	M	L REFAIR

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
		R	/AERO/	INITHR	M	L REFAIR
		R	/AERO/	INITMS	M	L REFAIR
		R	/AERO/	INT2	M	L REFSEEK
		R	/AERO/	INT4	M	L REFSEEK
		R	/AERO/	PRINT2		L REFSEEK
DELPSI	Azimuth pattern stepsize in degrees.	R	/INTERP/	ANTI1	M	L REFSEEK
		R	/INTERP/	ANTI2	M	L REFSEEK
		R	/INTERP/	ANTNA1		L REFSEEK
		R	/INTERP/	ANTNA2		L REFSEEK
DELR	Peak magnitude difference at port and starboard. (db/m**2)	R	/MCSAS/	AMERCS		L REFENVMT
		R	/MCSAS/	DECHO		L REFENVMT
		R	/MCSAS/	INITE	M	L REFENVMT
DELTHE	Elevation pattern stepsize in degrees.	R	/INTERP/	ANTI1	M	L REFSEEK
		R	/INTERP/	ANTI2	M	L REFSEEK
		R	/INTERP/	ANTNA1		L REFSEEK
		R	/INTERP/	ANTNA2		L REFSEEK
DELTIM	Model integration interval in seconds.	R	/ASE/	MAIN		L REFMATN
		R	/ASE/	INITAM	M	L REFAIR
		R	/ASE/	RCO		L REFENVMT
		R	/ASE/	TARANG		L REFENVMT
		R	/ASE/	CLUTER		L REFENVMT
		R	/ASE/	INITE		L REFENVMT
		R	/ASE/	ANGRCO		L REFENVMT
		R	/ASE/	CRITRA		L REFENVMT
		R	/ASE/	GLINT2		L REFENVMT
		R	/ASE/	INITC	M	L REFSEEK
		R	/ASE/	INT2		L REFSEEK
		R	/ASE/	INT4		L REFSEEK
		R	/ASE/	LOCK2		L REFSEEK
		R	/ASE/	MNLOCK		L REFSEEK
DELTMP	Equivalenced to "CVDOEL".	R	/CV/	DOTPR		L REFSEEK
DELY	Rudder angle in degrees.	R	/AERO/	MAIN		L REFMATN
		R	/AERO/	AERO2		L REFAIR
		R	/AERO/	AERO3		L REFAIR
		R	/AERO/	AERO4		L REFAIR
		R	/AERO/	AUTO2		L REFAIR
		R	/AERO/	AUTO3		L REFAIR
		R	/AERO/	AUTO4		L REFAIR
		R	/AERO/	DUMPIT		L REFAIR
		R	/AERO/	INITAM	M	L REFAIR
		R	/AERO/	INITHR	M	L REFAIR
		R	/AERO/	INITMS	M	L REFAIR
		R	/AERO/	INT2	M	L REFSEEK
		R	/AERO/	INT4	M	L REFSEEK
		R	/AERO/	PRINT2		L REFSEEK
DEPT	Antenna elevation difference pattern.	I	/PATSYM/	ANTI	M	L REFSEEK

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
DIFA	Azimuth difference pattern array (Ohio State).	I	/PATRN/	ANTI1	L_REFSEEK
		I	/PATRN/	ANTNA1	L_REFSEEK
DIFAI	Imaginary part of azimuth difference pattern (Ohio State).	R	/INTOUT/	ANTNNA M	L_REFSEEK
		R	/INTOUT/	ANTNA1 M	L_REFSEEK
		R	/INTOUT/	ANTNA2 M	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	MODXM3	L_REFSEEK
DIFAR	Real part of azimuth difference pattern (Ohio State).	R	/INTOUT/	ANTNNA M	L_REFSEEK
		R	/INTOUT/	ANTNA1 M	L_REFSEEK
		R	/INTOUT/	ANTNA2 M	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	MODXM3	L_REFSEEK
DIFARR	Equivalence of azimuth difference pattern array (Ohio State).	I	/PATSYM/	ANTNNA	L_REFSEEK
DIFE	Elevation difference pattern array (Ohio State).	I	/PATRN/	ANTI1	L_REFSEEK
		I	/PATRN/	ANTNA1	L_REFSEEK
DIFEI	Imaginary part of elevation difference pattern (Ohio State).	R	/INTOUT/	ANTNNA M	L_REFSEEK
		R	/INTOUT/	ANTNA1 M	L_REFSEEK
		R	/INTOUT/	ANTNA2 M	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	MODXM3	L_REFSEEK
DIFER	Real part of elevation difference pattern (Ohio State).	R	/INTOUT/	ANTNNA M	L_REFSEEK
		R	/INTOUT/	ANTNA1 M	L_REFSEEK
		R	/INTOUT/	ANTNA2 M	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	MODXM3	L_REFSEEK
DIFERR	Equivalence of elevation difference pattern array (Ohio State).	I	/PATSYM/	ANTNNA	L_REFSEEK
DIST	Miss distance in meters.	R	/SKR/	MAIN	L_REFMAIN
		R	/SKR/	MISS	M L_REFAIR
		R	/SKR/	INITC	M L_REFSEEK
		R	/SKR/	MOD2	M L_REFSEEK
		R	/SKR/	RGATE	M L_REFSEEK
DMX	Missile X directional derivative in meters/second.	R	/KINE/	KINE2	M L_REFAIR
		R	/KINE/	KINE4	M L_REFAIR
		R	/KINE/	INT2	L_REFSEEK
		R	/KINE/	INT4	L_REFSEEK
DMY	Missile Y directional derivative in meters/second.	R	/KINE/	KINE2	M L_REFAIR
		R	/KINE/	KINE4	M L_REFAIR
		R	/KINE/	INT2	L_REFSEEK
		R	/KINE/	INT4	L_REFSEEK
DMZ	Missile Z directional derivative in	R	/KINE/	AUTO2	L_REFAIR

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	meters/second.	R	/KINE/	AUTO3	L_REFAIR
		R	/KINE/	KINE2	M L_REFAIR
		R	/KINE/	KINE4	M L_REFAIR
		R	/KINE/	INT2	L_REFSEEK
		R	/KINE/	INT4	L_REFSEEK
DRATIO	Specular-to-direct gain ratio.	R	/MPATHI/	MLTPTH	M L_REFENVMT
DRCO	Correlation filter coefficient.	R	/RNDPR2/	RAPR1	L_REFENVMT
		R	/RNDPR2/	RAPR2	L_REFENVMT
		R	/RNDPR2/	RAPR3	L_REFENVMT
		R	/RNDPR2/	RAPR4	L_REFENVMT
		R	/RNDPR2/	RCO	M L_REFENVMT
		R	/RNDPR/	BPRPR	L_REFENVMT
		R	/RNDPR2/	INITE	M L_REFENVMT
		R	/RNDPR/	ANGER	L_REFENVMT
		R	/RNDPR/	ANGRCO	M L_REFENVMT
DRCOM	Correlation filter coefficients.	R	/BARAS/	RAPR5	L_REFENVMT
		R	/BARAS/	RCO	M L_REFENVMT
		R	/BARAS/	INITE	M L_REFENVMT
DRCOQ	Correlation filter coefficients.	R	/BARAS/	RAPR5	L_REFENVMT
		R	/BARAS/	RCO	M L_REFENVMT
		R	/BARAS/	INITE	M L_REFENVMT
DRNG	Cumulative delta range since last variance calculation in meters.	R	/ENVMT/	GLINT2	M L_REFENVMT
DT	Simulation step size in seconds.	R	/MPBLK3/	MPINIT	M L_REFENVMT
		R	/MPBLK3/	GAUBND	L_REFENVMT
DTL	Platform motion update time increment in seconds.	R	/VCORE/	INITP	M L_REFECM
		R	/VCORE/	CHAFF	L_REFITGT
		R	/VCORE/	DECOY	L_REFITGT
		R	/VCORE/	SHIP	L_REFITGT
DUTY	Decoy duty cycle in percent.	R	/DCOY/	PRINT2	M L_REFSEEK
DX	DX integration array.	R	/INT/	AGC2	M L_REFSEEK
		R	/INT/	INITC	M L_REFSEEK
		R	/INT/	INITS	M L_REFSEEK
		R	/INT/	INT2	L_REFSEEK
		R	/INT/	DEM0D2	M L_REFSEEK
		R	/INT/	DOTPR	M L_REFSEEK
		R	/INT/	DISH2	M L_REFSEEK
		R	/INT/	DISHM	M L_REFSEEK
		R	/INT/	LOCK2	M L_REFSEEK
		R	/INT/	MNLOCK	M L_REFSEEK
		R	/INT/	RGATE	M L_REFSEEK
		R	/INT/	RGATE2	M L_REFSEEK
		R	/INT/	RGTRAK	M L_REFSEEK
DYNP	Dynamic pressure in pounds/foot**2.	R	/ARM/	AERO4	M L_REFAIR
		R	/ARM/	DUMPIT	L_REFAIR
DYSB	Cumulative delta GYSB since last	R	/ENVMT/	ANGVA	M L_REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - PEFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	variance calculation in degrees.	R	/ENVMT/	GLINT2	M L_REFENVMT
EL	Angle of threat off decoy boresight in elevation degrees.	R	/DCOY/	PAYLOD	M L_REFBCH
ELA	Decoy elevation angle at launch in degrees.	R	/DCOY/	INITR	M L_REFBCH
		R	/DCOY/	PAYLOD	L_REFBCH
ELDIFI	Elevation difference pattern (imaginary part).	I	/PATRN6/	ANTI2	L_REFSEEK
		I	/PATRN6/	ANTNA2	L_REFSEEK
ELDIFR	Elevation difference pattern (real part).	I	/PATRN5/	ANTI2	L_REFSEEK
		I	/PATRN5/	ANTNA2	L_REFSEEK
EMSQ	Ratio of steady return to average random power.	R	/BARAS/	PRATIO	L_REFENVMT
		R	/BARAS/	INITE	M L_REFENVMT
EPAT	Decoy elevation antenna pattern array.	R	/DCOY/	INITR	M L_REFBCH
		R	/DCOY/	ELPAT	L_REFBCH
EPS	Aspect angle where peak begins in degrees.	R	/MCSAS/	AMERCS	L_REFENVMT
		R	/MCSAS/	DECHO	L_REFENVMT
		R	/MCSAS/	INITE	M L_REFENVMT
FACDAZ	Monopulse pattern normalizing factor. Dimensionless.	R	/INTOUT/	ANTI1	M L_REFSEEK
		R	/INTOUT/	ANTI2	M L_REFSEEK
		R	/INTOUT/	ANTI	M L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	MODM3	L_REFSEEK
FACDEL	Monopulse pattern normalizing factor. Dimensionless.	R	/INTOUT/	ANTI1	M L_REFSEEK
		R	/INTOUT/	ANTI2	M L_REFSEEK
		R	/INTOUT/	ANTI	M L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	MODM3	L_REFSEEK
FACSUM	Normalization constant for sum channel antenna gain. Dimensionless.	R	/INTOUT/	ANTI1	M L_REFSEEK
		R	/INTOUT/	ANTI2	M L_REFSEEK
		R	/INTOUT/	ANTI	M L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	M3TRGV	L_REFSEEK
		R	/INTOUT/	MODM3	L_REFSEEK
FI	Elevation argument for antenna interpolation routine in degrees.	R	/INTSYM/	ANTI	M L_REFSEEK
		R	/INTSYM/	ANTNA	L_REFSEEK
		R	/INTSYM/	M3TRGV	M L_REFSEEK
		R	/INTSYM/	MODM3	M L_REFSEEK
FLAT	Flat earth approximation flag. (T=Flat, F=Not valid)	L	/MPBLK1/	MPINIT	M L_REFENVMT
		L	/MPBLK1/	MPGEOM	M L_REFENVMT
FRREL	Angle noise array.	R	/GLINT/	ANGVA	L_REFENVMT
		R	/GLINT/	CRITRA	L_REFENVMT
		R	/GLINT/	TAREFL	L_REFENVMT
FRREW	Angle noise array.	R	/GLINT/	ANGVA	L_REFENVMT
		R	/GLINT/	CRITRA	L_REFENVMT
		R	/GLINT/	TAREFL	L_REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REF5M Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
G	G array. Contains gain constants, etc. See also APPENDIX D.	R	/PARAM/	INITC	M L_REFSEEK
		R	/PARAM/	INIT5	M L_REFSEEK
		R	/PARAM/	DEM0D2	M L_REFSEEK
		R	/PARAM/	DOTPR	M L_REFSEEK
		R	/PARAM/	DISH2	L_REFSEEK
		R	/PARAM/	DISHM	L_REFSEEK
		R	/PARAM/	LOCK2	L_REFSEEK
		R	/PARAM/	MMLOCK	L_REFSEEK
GADR	Threat normalized receive gain.	R	/SIG/	BOH	L_REFBOH
		R	/SIG/	INITE	M L_REFENVT
		R	/SIG/	MLTPH	L_REFENVT
		R	/SIG/	PRDIT2	L_REFSEEK
		R	/SIG/	MOD2	M L_REFSEEK
		R	/SIG/	MODPLX	M L_REFSEEK
		R	/SIG/	PAYLOD	L_REFBOH
		R	/SIG/	INITE	M L_REFENVT
GADT	Threat normalized transmit gain.	R	/SIG/	MLTPH	L_REFENVT
		R	/SIG/	PRDIT2	L_REFSEEK
		R	/SIG/	NJTRGV	M L_REFSEEK
		R	/SIG/	NJTRGV	M L_REFSEEK
		R	/SIG/	MOD2	M L_REFSEEK
		R	/SIG/	MODPLX	M L_REFSEEK
		R	/SIG/	MODM3	M L_REFSEEK
		R	/SIG/	TARGVD	M L_REFSEEK
GAME	Work vector for scintillation model.	R	/MCSAS/	AMERCS	M L_REFENVT
		R	/MCSAS/	INITE	M L_REFENVT
GAMI	Work vector for scintillation model.	R	/MCSAS/	AMERCS	M L_REFENVT
		R	/MCSAS/	INITE	M L_REFENVT
GAMP	Pitch velocity vector angle in degrees.	R	/ARM/	MAIN	L_REFMAIN
		R	/ARM/	AERO4	L_REPAIR
		R	/ARM/	KINE4	L_REPAIR
		R	/ARM/	DUMPIT	L_REPAIR
		R	/ARM/	INITAM	M L_REPAIR
		R	/ARM/	MISS	L_REPAIR
		R	/ARM/	INT4	M L_REFSEEK
		R	/ARM/	MAIN	L_REFMAIN
GAMY	Yaw velocity vector angle in degrees.	R	/ARM/	KINE4	L_REPAIR
		R	/ARM/	DUMPIT	L_REPAIR
		R	/ARM/	INITAM	M L_REPAIR
		R	/ARM/	INT4	M L_REFSEEK
GAREL	Angle noise array.	R	/GLINT/	ANGVA	L_REFENVT
		R	/GLINT/	REFANG	M L_REFENVT
GAREN	Angle noise array.	R	/GLINT/	ANGVA	L_REFENVT
		R	/GLINT/	REFANG	M L_REFENVT
GAUSS	Gaussian white noise.	R	/RNDPR/	BPRPR	L_REFENVT
		R	/RNDPR/	CLINTP	L_REFENVT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REF6B4 Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
GC	AGC signal gain constant.	R	/RMDPR/	ANGER	L REPERANT
		R	/AGC/	SON	L REPSCH
		R	/AGC/	ACC2	M L REPSSEK
		R	/AGC/	INIT5	M L REPSSEK
		R	/AGC/	NJTRGV	L REPSSEK
		R	/AGC/	NJTRGV	L REPSSEK
		R	/AGC/	MOD2	L REPSSEK
		R	/AGC/	MODPLX	L REPSSEK
		R	/AGC/	MODM3	L REPSSEK
		R	/AGC/	TARGVD	L REPSSEK
GIMP	Pitch gimbal angle in degrees.	R	/ANV/	MAIN	L REPMADN
		R	/ANV/	AUTO4	L REPAIR
		R	/ANV/	DUMPT	L REPAIR
		R	/ANV/	INITDM	M L REPAIR
		R	/ANV/	SWITCH	L REPAIR
		R	/ANV/	SEK4	M L REPSSEK
		R	/ANV/	MAIN	L REPMADN
JIMY	Yaw gimbal angle in degrees.	R	/ANV/	AUTO4	L REPAIR
		R	/ANV/	DUMPT	L REPAIR
		R	/ANV/	INITDM	M L REPAIR
		R	/ANV/	SWITCH	L REPAIR
		R	/ANV/	SEK4	M L REPSSEK
		R	/DCOY/	INITR	M L REPSCH
		R	/DCOY/	PAYLOD	L REPSCH
GR	Decoy antenna gain in threat direction in db.	R	/DCOY/	PAYLOD	M L REPSCH
		R	/DCOY/	PAYLOD	M L REPSCH
GRCS	Normalized threat transmit gain in direction of target RCS center.	R	/GLINT/	ANGVA	L REPERANT
		R	/GLINT/	GLINT2	M L REPERANT
		R	/GLINT/	REPANG	L REPERANT
GRGRC	Ground range from target to missile in meters.	R	/WEATHI/	INITE	M L REPERANT
		R	/WEATHI/	MLTPH	L REPERANT
		R	/WEATHI/	RGATE	M L REPSSEK
GRSP	Threat receive gain at the specular point.	R	/WEATHI/	MLTPH	M L REPERANT
GTMS	Multiplier to convert "g"s to meters per second**2.	R	/CONST/	INITC	M L REPSSEK
GTSP	Threat transmit gain at the specular point.	R	/WEATHI/	MLTPH	M L REPERANT
GYSB	Boresight angle to target RCS distribution center in degrees.	R	/EMMT/	GLINT2	M L REPERANT
		R	/EMMT/	REPANG	L REPERANT
HELEV	Ship's hull height above water line in meters.	R	/BARAS/	ELSTR	L REPERANT
		R	/BARAS/	INITE	M L REPERANT
HITCNT	Hit count.	I	/MILK/	MILCKI	M L REPSSEK
		I	/MILK/	MILCKI	M L REPSSEK
LANGNO	Angle noise array.	I	/GLINT/	ANGVA	M L REPERANT
		I	/GLINT/	CRITRA	L REPERANT

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX A - REFSEN Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L File
IBOW Flag. 1 indicates bow depression.	I	/GLINT/	REFANG	L REFENANT
	I	/GLINT/	TAREFL	L REFENANT
	I	/GLINT/	WFACE	L REFENANT
	I	/BASAS/	AMERCS	L REFENANT
	I	/BASAS/	INITE	M L REFENANT
ICISNG Flag. 1 indicates change in aspect greater than T(35).	I	/DISTP/	DECHD	L REFENANT
	I	/DISTP/	NDUR	L REFENANT
	I	/DISTP/	SCINT2	L REFENANT
	I	/DISTP/	TARANG	M L REFENANT
	I	/DISTP/	INITE	M L REFENANT
IDPLOY Target deployment flag. See also APPENDIX D.	I	/DISTP/	GLINT2	L REFENANT
	I	/ACORE/	INITP	M L REFSEN
	I	/ACORE/	MOD2	L REFSEK
	I	/ACORE/	MODPLX	L REFSEK
	I	/ACORE/	MODM3	L REFSEK
	I	/ACORE/	SCATE2	L REFSEK
	I	/ACORE/	TCATE2	L REFSEK
	I	/ACORE/	ABOARD	M L REPTOT
	I	/ACORE/	CHAPT	M L REPTOT
	I	/ACORE/	DECOY	M L REPTOT
IFFAIR Flag. 1 disables autopilot and aerodynamics.	I	/AIRSR/	AIR02	L REPAIR
	I	/AIRSR/	AIR03	L REPAIR
	I	/AIRSR/	AUTO2	L REPAIR
	I	/AIRSR/	AUTO3	L REPAIR
	I	/AIRSR/	INIT2	M L REFSEK
	I	/AIRSR/	INTC	M L REFSEK
	I	/AIRSR/	DISH2	L REFSEK
	I	/AIRSR/	DISHM	L REFSEK
IFFALT Flag. 1 disables altimeters (terminal mode).	I	/AIRSR/	AUTO2	M L REPAIR
	I	/AIRSR/	AUTO3	M L REPAIR
	I	/AIRSR/	INIT2	M L REFSEK
	I	/AIRSR/	INTC	M L REFSEK
	I	/AIRSR/	INT2	L REFSEK
	I	/AIRSR/	DISH2	L REFSEK
	I	/AIRSR/	DISHM	L REFSEK
	I	/AIRSR/	INTTR	L REFSEN
IFFANT Flag. Selects throat antenna: 1-Coero, 2-APO-112, 3-Ohio State.	I	/AIRSR/	PLTPTM	L REFENANT
	I	/AIRSR/	INIT2	M L REFSEK
	I	/AIRSR/	INTM	L REFSEK
	I	/AIRSR/	INTS	L REFSEK
	I	/AIRSR/	MODM3	L REFSEK
	I	/AIRSR/	AIR	L REPAIR
IFFATP Flag. Selects airframe type: 0-MSE; 1-MFB light; 2-MFB heavy; 3-AFM.	I	/AIRSR/	INTA	L REPAIR
	I	/AIRSR/	INTAM	M L REPAIR
	I	/AIRSR/	INIT2	M L REFSEK
	I	/AIRSR/	INTC	M L REFSEK

NOTES: *M* column indicates variable is modified.
 T column heading indicates type attribute.

APPENDIX A - REFEM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
IFFCHP	Flag. 1 switches on demodulator chopper outputs.	I	/AIRSHV/	INITC	M L REFSEEX
		I	/AIRSHV/	DEMOD2	M L REFSEEX
		I	/AIRSHV/	DOTVR	M L REFSEEX
IFFDCP	Flag. 1 switches on pitch demodulator chopper.	I	/AIRSHV/	INITC	M L REFSEEX
		I	/AIRSHV/	DEMOD2	M L REFSEEX
IFFDCY	Flag. 1 switches on yaw demodulator chopper.	I	/AIRSHV/	INITC	M L REFSEEX
		I	/AIRSHV/	DEMOD2	M L REFSEEX
IFFDUP	Flag. 1 indicates completion of dish pitch-up.	I	/AIRSHV/	INITC	M L REFSEEX
		I	/AIRSHV/	DISH2	M L REFSEEX
		I	/AIRSHV/	DISH4	M L REFSEEX
IFFEPR	Flag. Controls subroutine SUBPR. 1=STOP, 2=RETURN, 3=CALL EXIT.	I	/AIRSHV/	INIT2	M L REFSEEX
		I	/AIRSHV/	SUBPR	L REFSEEX
IFFGLT	Flag. 1 enables simulation of glint.	I	/AIRSHV/	GLINT2	M L REFSEANT
		I	/AIRSHV/	INITC	M L REFSEEX
IFFLOX	Flag. 1 uncages lead gyro.	I	/AIRSHV/	AUTO2	L REFPAIR
		I	/AIRSHV/	AUTO3	L REFPAIR
		I	/AIRSHV/	INITC	M L REFSEEX
		I	/AIRSHV/	DISH2	M L REFSEEX
		I	/AIRSHV/	DISH4	M L REFSEEX
IFFROT	Flag. 1 bypasses prediction gate 2.5 seconds after seeker turn-on.	I	/AIRSHV/	INITC	M L REFSEEX
		I	/AIRSHV/	RGATE	M L REFSEEX
		I	/AIRSHV/	RGATE2	M L REFSEEX
IFFROT	Flag. G rate. 0=REL (others NPB) 1=2PZY, 2=3PZY, 3=3PZY, 4=3PZY.	I	/AIRSHV/	AUTO3	L REFPAIR
		I	/AIRSHV/	INTA	L REFPAIR
		I	/AIRSHV/	INTVR	L REFPAIR
		I	/AIRSHV/	INIT2	M L REFSEEX
		I	/AIRSHV/	INITC	M L REFSEEX
IFFTRM	Flag. 1 indicates seeker activation.	I	/AIRSHV/	MAIN	M L REFPAIR
		I	/AIRSHV/	MAIN	M L REFPAIR
		I	/AIRSHV/	INITC	M L REFSEEX
		I	/AIRSHV/	DISH2	L REFSEEX
		I	/AIRSHV/	DISH4	L REFSEEX
		I	/AIRSHV/	RGATE2	L REFSEEX
		I	/AIRSHV/	ROTNR	L REFSEEX
IFTC	Flag. 1 bypasses first time thru path in subroutine AMERCS.	I	/ACBAG/	AMERCS	M L REFSEANT
		I	/ACBAG/	INITE	M L REFSEANT
INGATE	Target in range gate flag. 0=not in gate, 1=in gate.	I	/RGAT/	RGATE	M L REFSEEX
IDRN1	Seed for random number generator.	I	/INRUC/	SCLDEN	L REFSEANT
IDRN2	Seed for random number generator.	I	/INRUC/	SCLDEN	L REFSEANT
IPLAT	Target platform identifier. 0=Skip, 1=Ship, 2=Decoy, 3=Chaff.	I	/VCORE/	INITP	M L REFSECH
		I	/VCORE/	SCINT2	L REFSEANT
		I	/VCORE/	INIT2	M L REFSEEX
		I	/VCORE/	MODM3	L REFSEEX
		I	/VCORE/	TARGET	L REFROT
IPOL	Polarization of incident wave; 1=V,	I	/HPATN1/	INITE	M L REFSEANT

NOTES: *M* column indicates variable is modified.
T column heading indicates type attribute.

APPENDIX A - REFERENCE/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
2-4.						
DG	Density type. 1=Chi Sq, 2-Rayleigh, 3-Lognormal, 4-Rice, 5-tired.	I	/DISTP/	DECD	L	REFDANT
		I	/DISTP/	DNDF	L	REFDANT
		I	/DISTP/	NDPR	L	REFDANT
		I	/DISTP/	NRDQ	L	REFDANT
		I	/DISTP/	PRATIO	L	REFDANT
		I	/DISTP/	RCO	L	REFDANT
		I	/DISTP/	SCDT2	L	REFDANT
		I	/DISTP/	TADEN	M	REFDANT
		I	/DISTP/	SNPR	L	REFDANT
		I	/DISTP/	CLDF	L	REFDANT
		I	/DISTP/	CLTER	M	REFDANT
		I	/DISTP/	SCLEN	M	REFDANT
		I	/DISTP/	DNTE	M	REFDANT
DFT	Pulse counter.	I	/PRDF/	DNTE	M	REFDCH
		I	/PRDF/	PRDT2	M	REFDCH
IRUN	Overnight run number (for different seeds.)	I	/PRDF/	RAIN	M	REFRAIN
		I	/PRDF/	RAIN	M	REFRAIN
		I	/PRDF/	TCORC	L	REFDANT
		I	/PRDF/	DNTE	L	REFDANT
		I	/PRDF/	NRDQ	L	REFDCH
ISCDT	Indicates probability density type. See also APPENDIX D.	I	/RANG/	DECD	L	REFDANT
		I	/RANG/	NDPR	L	REFDANT
		I	/RANG/	NRDQ	L	REFDANT
		I	/RANG/	RAFS	L	REFDANT
		I	/RANG/	RCO	L	REFDANT
		I	/RANG/	SNPR	L	REFDANT
		I	/RANG/	TADEN	L	REFDANT
		I	/RANG/	DNTE	M	REFDANT
ISDID1	Random seed.	J	/RANG/	SPINT	M	REFDANT
		J	/RANG/	GAIND	L	REFDANT
ISDID2	Random seed.	J	/RANG/	SPINT	M	REFDANT
		J	/RANG/	GAIND	L	REFDANT
ISDIDA	1st seed. Will be required by multipath simulation.	J	/RANG/	DNTE	L	REFDANT
ISDIDB	2nd seed. Will be required by multipath simulation.	J	/RANG/	DNTE	L	REFDANT
ISDT	Index for outermost loop of driver program.	I	/PRDF/	RAIN	M	REFRAIN
		I	/PRDF/	RAIN	M	REFRAIN
		I	/PRDF/	NRDQ	L	REFDCH
ISKIP	Flag. 0 bypasses unused targets.	I	/DCOL/	DNTE	L	REFDCH
		I	/DCOL/	SCDT2	L	REFDANT
		I	/DCOL/	DNTE	M	REFDCH
		I	/DCOL/	CHPT	M	REFDCH
		I	/DCOL/	DECOY	M	REFDCH
ISW20	Switch set to 1 20 seconds after	I	/RANG/	RAIN	L	REFRAIN

NOTES: *W column indicates variable is modified.
 *T column heading indicates type attribute.

APPENDIX A - REFSEM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	sustainer engine cutoff.	I	/NMNM1/	AUTO4	L REPAIR
		I	/NMNM1/	DUMPTT	L REPAIR
		I	/NMNM1/	INTDM N	L REPAIR
		I	/NMNM1/	SWTCH N	L REPAIR
ISW40	Switch set to 1 40 seconds after sustainer engine cutoff.	I	/NMNM1/	NADN	L REPAIR
		I	/NMNM1/	AUTO4	L REPAIR
		I	/NMNM1/	DUMPTT	L REPAIR
		I	/NMNM1/	INTDM N	L REPAIR
		I	/NMNM1/	SWTCH N	L REPAIR
ISWPM	Switch set to 1 to uncase lead gyro.	I	/NMNM1/	NADN	L REPAIR
		I	/NMNM1/	AUTO4	L REPAIR
		I	/NMNM1/	DUMPTT	L REPAIR
		I	/NMNM1/	INTDM N	L REPAIR
		I	/NMNM1/	SWTCH N	L REPAIR
ISWPM	Sustainer engine cutoff switch.	I	/NMNM1/	NADN	L REPAIR
		I	/NMNM1/	ASPO4	L REPAIR
		I	/NMNM1/	AUTO4	L REPAIR
		I	/NMNM1/	DUMPTT	L REPAIR
		I	/NMNM1/	INTDM N	L REPAIR
		I	/NMNM1/	SWTCH N	L REPAIR
ISWY2	Switch set to 1 initiates honing in yew.	I	/NMNM1/	NADN	L REPAIR
		I	/NMNM1/	AUTO4	L REPAIR
		I	/NMNM1/	DUMPTT	L REPAIR
		I	/NMNM1/	INTDM N	L REPAIR
		I	/NMNM1/	SWTCH N	L REPAIR
LASTN	Size of last lock-logic shift register.	I	/NML/	NBLCK N	L REPAIR
		I	/NML/	NBLCK N	L REPAIR
LBLOCK	Dummy buffer for logical flags.	L	/LFLAG2/	INTT2 N	L REPAIR
LCUTN	Flag. 1 enables clutter simulation. Read in INTT2.	L	/LFLAG2/	INTT2	L REPAIR
LCOBT	Flag. 1 implies coherent processing. Read in INTT2.	L	/LFLAG2/	MODPLX	L REPAIR
		L	/LFLAG2/	MODN3	L REPAIR
LWRTN	Flag. 1 enables multipath simulation. Read in INTT2.	L	/LFLAG2/	PAYLOD	L REPAIR
		L	/LFLAG2/	INTT2	L REPAIR
		L	/LFLAG2/	MODPLX	L REPAIR
		L	/LFLAG2/	MODN3	L REPAIR
LOCN	Value of n for the n-out-of-n criterion.	I	/NML/	NBLCK N	L REPAIR
		I	/NML/	NBLCK	L REPAIR
LOCN	Value of n for the n-out-of-n criterion.	I	/NML/	NBLCK N	L REPAIR
		I	/NML/	NBLCK	L REPAIR
LOGN	Array containing name of the log file.	I	/SIGNAT/	NADN	L REPAIR
		I	/SIGNAT/	NADN	L REPAIR
		I	/SIGNAT/	NADN	L REPAIR
LOWN	Flag. 1 implies unidirectional decoy antenna. Read in INTT2.	L	/LFLAG2/	PAYLOD	L REPAIR
LPLT	Flag. 1 enables plotting. Read in	L	/LFLAG2/	NADN	L REPAIR

NOTES: *M* column indicates variable is modified.
 T column heading indicates type attribute.

APPENDIX A - REFSDM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common Routine	L_File
INIT2.		L	/LFLAG2/ MAIN	L_REFMAIN
		L	/LFLAG2/ PRINT2	L_REFSEEK
LAPEAT	Flag. T sets ARG1 to 1.0 in subroutine DECOY1. Read in INIT2.	L	/LFLAG2/ PAYLOD	L_REFBCH
LSCDIT	Flag. T implies scintillation. Read in INIT2.	L	/LFLAG2/ MAIN	L_REFMAIN
		L	/LFLAG2/ MAIN	L_REFMAIN
		L	/LFLAG2/ MODPLX	L_REFSEEK
MODLSPC	Flag indicating model to be used (0-Brown model, 1-Fast empirical).	I	/MFLK4/ MPINIT M	L_REFENMT
		I	/MFLK4/ MEMAIN	L_REFENMT
MODE	Flag. 1-Search, 2-Acquisition, 3-Track, 4-Drop track.	I	/AIRSIG/ AUTO2	L_REFAIR
		I	/AIRSIG/ AUTO3	L_REFAIR
		I	/AIRSIG/ DLPLSE	L_REFBCH
		I	/AIRSIG/ INITS M	L_REFSEEK
		I	/AIRSIG/ INT2	L_REFSEEK
		I	/AIRSIG/ PRINT2	L_REFSEEK
		I	/AIRSIG/ DEMOD2	L_REFSEEK
		I	/AIRSIG/ DOTPR	L_REFSEEK
		I	/AIRSIG/ DISH2	L_REFSEEK
		I	/AIRSIG/ DISH4	L_REFSEEK
		I	/AIRSIG/ COMPD	L_REFSEEK
		I	/AIRSIG/ M3CMPV	L_REFSEEK
		I	/AIRSIG/ LOCK2 M	L_REFSEEK
		I	/AIRSIG/ MLOCK M	L_REFSEEK
		I	/AIRSIG/ RGATE	L_REFSEEK
		I	/AIRSIG/ RGATE2	L_REFSEEK
		I	/AIRSIG/ RGTRAK	L_REFSEEK
MODTYP	Modulation type flag. See also APPENDIX D.	I	/VCORE/ BCH	L_REFBCH
		I	/VCORE/ INITY M	L_REFBCH
		I	/VCORE/ SCINT2	L_REFENMT
		I	/VCORE/ INITE	L_REFENMT
		I	/VCORE/ INIT2 M	L_REFSEEK
		I	/VCORE/ MOD2	L_REFSEEK
		I	/VCORE/ MODPLX	L_REFSEEK
		I	/VCORE/ MODM3	L_REFSEEK
		I	/VCORE/ RGATE	L_REFSEEK
MS	Random seed.	I	/DCOY/ PAYLOD	L_REFBCH
M14	The number of complex video segments in the early gate.	I	/CV/ COMPD M	L_REFSEEK
		I	/CV/ M3CMPV M	L_REFSEEK
		I	/CV/ RGTRAK	L_REFSEEK
M12	Number of grid points in azimuth field of view.	I	/INTERP/ ANTI1 M	L_REFSEEK
		I	/INTERP/ ANTI2 M	L_REFSEEK
		I	/INTERP/ ANTA1	L_REFSEEK
		I	/INTERP/ ANTA2	L_REFSEEK
MC	Pulse counter in print routine.	I	/PRDIT/ INITC M	L_REFSEEK
		I	/PRDIT/ PRINT2 M	L_REFSEEK
MCLTBC	Starting index for sea clutter edge	I	/PRECV/ INITE M	L_REFENMT

NOTES: *M* column indicates variable is modified.

T column heading indicates type attribute.

APPENDIX A - REFSEEM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	data to be sorted.	I	/PREC/	COMPVD	L_REFSEEX
		I	/PREC/	NCOMPV	L_REFSEEX
NCLTEN	Last index for sea clutter edge data to be sorted.	I	/PREC/	INITE	M L_REFENMT
		I	/PREC/	COMPVD	L_REFSEEX
		I	/PREC/	NCOMPV	L_REFSEEX
NOPS	Number of integration steps per second.	I	/APV/	MAIN	L_REFMAIN
		I	/APV/	INITDM	M L_REFAIR
NEL	Number of grid points in elevation field of view.	I	/INTERP/	ANT11	M L_REFSEEX
		I	/INTERP/	ANT12	M L_REFSEEX
NPSEED	If zero, 1st seed is random. If positive, 1st seed is repeatable.	I	/MODPR2/	INITE	L_REFENMT
		I	/MODPR2/	INIT2	M L_REFSEEX
NNGAT	Number of targets appearing in the range gate.	I	/RGAT/	NJTRGV	L_REFSEEX
		I	/RGAT/	NJTRGV	L_REFSEEX
		I	/RGAT/	MODPLX	L_REFSEEX
		I	/RGAT/	MODIN3	L_REFSEEX
		I	/RGAT/	TARGVD	L_REFSEEX
		I	/RGAT/	RGATE	M L_REFSEEX
NP	Print interval in number of pulses.	I	/PRDIT/	INITC	M L_REFSEEX
		I	/PRDIT/	PRDIT2	L_REFSEEX
NPULSE	Number of bins above threshold.	I	/RCOV/	RGATE2	L_REFSEEX
		I	/RCOV/	RGATE2	M L_REFSEEX
NS	Pulse counter.	I	/PRDIT/	INITC	M L_REFSEEX
		I	/PRDIT/	PRDIT2	M L_REFSEEX
NT	Number of records printed.	I	/PRDIT/	INITC	M L_REFSEEX
		I	/PRDIT/	PRDIT2	M L_REFSEEX
NTANG	Total number of targets (active plus passive).	I	/SIRDN/	INITP	L_REFSEEX
		I	/SIRDN/	SCDIT2	L_REFENMT
		I	/SIRDN/	INITE	L_REFENMT
		I	/SIRDN/	GLDIT2	L_REFENMT
		I	/SIRDN/	INIT2	M L_REFSEEX
		I	/SIRDN/	MOD2	L_REFSEEX
		I	/SIRDN/	RGATE	L_REFSEEX
		I	/SIRDN/	SGATE2	L_REFSEEX
		I	/SIRDN/	RGATE2	L_REFSEEX
		I	/SIRDN/	TARGET	L_REFSEEX
NTOI	Pointer to show which target is the nth target in the gate.	I	/RGAT/	NJTRGV	L_REFSEEX
		I	/RGAT/	NJTRGV	L_REFSEEX
		I	/RGAT/	MODPLX	L_REFSEEX
		I	/RGAT/	MODIN3	L_REFSEEX
		I	/RGAT/	TARGVD	L_REFSEEX
		I	/RGAT/	RGATE	M L_REFSEEX
NVID	Total number of complex video signal edges to be sorted.	I	/PREC/	COMPVD	L_REFSEEX
		I	/PREC/	NCOMPV	L_REFSEEX
		I	/PREC/	NJTRGV	M L_REFSEEX
		I	/PREC/	NJTRGV	M L_REFSEEX
		I	/PREC/	MODPLX	M L_REFSEEX

NOTES: *M* column indicates variable is modified.

T column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
NVIDEO	The number of complex video segments in the range gate.	I	/PRECV/	MODXM3	M L REFSEEK
		I	/PRECV/	TARGVD	M L REFSEEK
		I	/PRECV/	RGATE	M L REFSEEK
		I	/CV/	DOTPR	L REFSEEK
		I	/CV/	COMPVD	M L REFSEEK
		I	/CV/	M3CMPV	M L REFSEEK
		I	/CV/	M3SATV	L REFSEEK
ONEPAS	Flag. T=Shift register filled, F=Not filled.	L	/MNLK/	MNLCKI	M L REFSEEK
		L	/MNLK/	MNLOCK	M L REFSEEK
P	Plot array.	R	/PRINT/	DUMPIT	M L REPAIR
		R	/PRINT/	PRINT2	M L REFSEEK
PASCON	Square root of the constant part of the two-way range equation.	R	/APCONS/	M3TRGI	M L REFSEEK
		R	/APCONS/	M3TRGV	L REFSEEK
		R	/APCONS/	M3TRGV	L REFSEEK
		R	/APCONS/	MODXM3	L REFSEEK
		R	/SIRENV/	INITS	M L REFSEEK
PCON	Part of 2-way range equation: $550.*300.*SIRPWR*XLMDA**2/PI4**3$	R	/SIRENV/	MOD2	L REFSEEK
		R	/SIRENV/	MODPLX	L REFSEEK
		R	/SIRENV/	TARGVD	L REFSEEK
		R	/CDOTPR/	DOTPR	L REFSEEK
		R	/CDOTPR/	DOTPRI	M L REFSEEK
PDFCAN	Pitch differential channel processing gain.	R	/AIRSKR/	AUTO2	L REPAIR
		R	/AIRSKR/	AUTO3	L REPAIR
PERR	Seeker pitch error signal in degrees/second.	R	/AIRSKR/	INITS	M L REFSEEK
		R	/AIRSKR/	DEM0D2	M L REFSEEK
		R	/AIRSKR/	DOTPR	M L REFSEEK
		R	/INT/	PGATE2	L REFSEEK
		R	/INT/	RGATE	L REFSEEK
PGATE	Squivalenced to X(19). (prediction gate - leading edge.)	R	/RGAT/	RGATE	M L REFSEEK
PGATEN	Prediction gate trailing edge in microseconds.				
PHI	Missile body roll angle in degrees.	R	/ARMROL/	MAIN	L REMAIN
		R	/ARMROL/	AERO4	L REPAIR
		R	/ARMROL/	AUTO4	L REPAIR
		R	/ARMROL/	DUMPIT	L REPAIR
		R	/ARMROL/	INITAM	M L REPAIR
		R	/ARMROL/	INT4	M L REFSEEK
PINT	Pitch integrator output in degrees.	R	/AUTO/	AUTO2	L REPAIR
		R	/AUTO/	AUTO3	L REPAIR
		R	/AUTO/	INITHR	M L REPAIR
		R	/AUTO/	INITMS	M L REPAIR
		R	/AUTO/	INT2	M L REFSEEK
PLSDEL	Minimum pulse width to be reported as a separate slice in microseconds.	R	/PRECV/	COMPVD	L REFSEEK
		R	/PRECV/	M3CMPV	L REFSEEK
POLPLG	Polarization flag. 1=Vertical. 0=Horizontal.	I	/MPBLK2/	MPINIT	M L REFENVMT
		I	/MPBLK2/	MPMAIN	L REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
PSB	Target pitch angle off boresight in degrees.	R	/SKR/	GLINT2	M L_REFENVMT
		R	/SKR/	REFANG	L_REFENVMT
		R	/SKR/	M3TRGV	L_REFSEEK
		R	/SKR/	M3TRGV	L_REFSEEK
		R	/SKR/	MOD2	M L_REFSEEK
		R	/SKR/	MODPLX	L_REFSEEK
		R	/SKR/	MODXM3	L_REFSEEK
		R	/SKR/	TARGVD	L_REFSEEK
		R	/SKR/	RGATE	M L_REFSEEK
PSI	Missile yaw angle in degrees.	R	/AIRSKR/	MAIN	L_REFMAIN
		R	/AIRSKR/	AUTO2	L_REFAIR
		R	/AIRSKR/	AUTO3	L_REFAIR
		R	/AIRSKR/	AUTO4	L_REFAIR
		R	/AIRSKR/	KINE2	L_REFAIR
		R	/AIRSKR/	DUMPIT	L_REFAIR
		R	/AIRSKR/	INITAM	M L_REFAIR
		R	/AIRSKR/	INITHR	M L_REFAIR
		R	/AIRSKR/	INITMS	M L_REFAIR
		R	/AIRSKR/	GLINT2	L_REFENVMT
		R	/AIRSKR/	REFANG	L_REFENVMT
		R	/AIRSKR/	INT2	M L_REFSEEK
		R	/AIRSKR/	INT4	M L_REFSEEK
		R	/AIRSKR/	PRINT2	L_REFSEEK
		R	/AIRSKR/	MOD2	L_REFSEEK
		R	/AIRSKR/	SEEK4	L_REFSEEK
		R	/AIRSKR/	RGATE	L_REFSEEK
		R	/AIRSKR/	AUTO2	L_REFAIR
		R	/AIRSKR/	AUTO3	L_REFAIR
PSIB	Dish yaw angle relative to missile body in degrees.	R	/AIRSKR/	INITS	M L_REFSEEK
		R	/AIRSKR/	INT2	M L_REFSEEK
PSID	Yaw base servo output in degrees.	R	/AUTO/	AUTO2	L_REFAIR
		R	/AUTO/	AUTO3	L_REFAIR
		R	/AUTO/	AUTO4	L_REFAIR
		R	/AUTO/	INITAM	M L_REFAIR
		R	/AUTO/	INITHR	M L_REFAIR
		R	/AUTO/	INITMS	M L_REFAIR
		R	/AUTO/	INT2	M L_REFSEEK
		R	/AUTO/	INT4	M L_REFSEEK
PSIMAX	Maximum azimuth angle stored in degrees.	R	/INTERP/	ANTI1	M L_REFSEEK
		R	/INTERP/	ANTI2	M L_REFSEEK
		R	/INTERP/	ANTNA1	L_REFSEEK
		R	/INTERP/	ANTNA2	L_REFSEEK
PSIMIN	Minimum azimuth angle stored in degrees.	R	/INTERP/	ANTI1	M L_REFSEEK
		R	/INTERP/	ANTI2	M L_REFSEEK
		R	/INTERP/	ANTNA1	L_REFSEEK
		R	/INTERP/	ANTNA2	L_REFSEEK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
PSISPC	Specular angle in radians.	R	/MPATHI/	MLTPTH	L_REFENVMT
PTCH	Previous value of body pitch in radians.	R	/KINE/	KINE2 M	L_REFAIR
		R	/KINE/	INITHR M	L_REFAIR
		R	/KINE/	INITMS M	L_REFAIR
PULST	Leading edge of the complex video slice in microseconds.	R	/CV/	COMPVD M	L_REFSEEK
		R	/CV/	M3CMPV M	L_REFSEEK
PULSW	Pulse width of the complex video slice in microseconds.	R	/CV/	DOTPR	L_REFSEEK
		R	/CV/	COMPVD M	L_REFSEEK
		R	/CV/	M3CMPV M	L_REFSEEK
		R	/CV/	RGTRAK	L_REFSEEK
R0	Previous value of range in meters.	R	/ENVMT/	GLINT2 M	L_REFENVMT
RALT	Rate altimeter output in meters.	R	/AUTO/	AUTO2	L_REFAIR
		R	/AUTO/	AUTO3	L_REFAIR
		R	/AUTO/	INITHR M	L_REFAIR
		R	/AUTO/	INITMS M	L_REFAIR
		R	/AUTO/	INT2 M	L_REFSEEK
RANGE	Range from ship to missile in meters.	R	/SKRENV/	INITHR M	L_REFAIR
		R	/SKRENV/	INITMS M	L_REFAIR
		R	/SKRENV/	PAYLOD	L_REFECM
		R	/SKRENV/	INITE M	L_REFENVMT
		R	/SKRENV/	GLINT2 M	L_REFENVMT
		R	/SKRENV/	REDVA	L_REFENVMT
		R	/SKRENV/	REFANG	L_REFENVMT
		R	/SKRENV/	M3TRGV	L_REFSEEK
		R	/SKRENV/	M3TRGV	L_REFSEEK
		R	/SKRENV/	MOD2 M	L_REFSEEK
		R	/SKRENV/	MODPLX	L_REFSEEK
		R	/SKRENV/	MODXM3	L_REFSEEK
		R	/SKRENV/	TARGVD	L_REFSEEK
		R	/SKRENV/	RGATE M	L_REFSEEK
RCOS	Cosine of a random phase angle (the same angle as RSIN).	R	/CRNDSC/	M3TRGV	L_REFSEEK
		R	/CRNDSC/	M3TRGV	L_REFSEEK
		R	/CRNDSC/	MODPLX	L_REFSEEK
		R	/CRNDSC/	MODXM3 M	L_REFSEEK
		R	/CRNDSC/	RNDSC M	L_REFSEEK
		R	/CRNDSC/	TARGVD	L_REFSEEK
RDOTLM	Range gate velocity limit in microseconds/second.	R	/PARAM/	INITC M	L_REFSEEK
		R	/PARAM/	RGATE2	L_REFSEEK
RECFWR	Threat power level in the decoy in dbm.	R	/DCOY/	PAYLOD M	L_REFECM
REPPRB	Probability that the decoy will repeat a given pulse.	R	/VDECO/	INITR M	L_REFECM
		R	/VDECO/	PAYLOD	L_REFECM
RF	Radar frequency in hertz.	R	/SCINT/	INITR M	L_REFECM
		R	/SCINT/	EMERCS	L_REFENVMT
		R	/SCINT/	TCORSC	L_REFENVMT
		R	/SCINT/	CRITRA	L_REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
RGATE	Range gate leading edge in microseconds. Equivalent to X(20).	R	/SCINT/	INITS	M L REFSEEK
		R	/INT/	COMPVD	L REFSEEK
		R	/INT/	M3CMPV	L REFSEEK
RGATEN	Range gate trailing edge in microseconds.	R	/RGAT/	RGATE	M L REFSEEK
RGATLN	Total range gate length in microseconds.	R	/RGAT/	RGATE	L REFSEEK
RHO	Mean-to-median ratio.	R	/RGAT/	RGATEI	M L REFSEEK
		R	/DISTYP/	DECHO	L REFENVMT
		R	/DISTYP/	MNTOMD	L REFENVMT
		R	/DISTYP/	BPRPR	L REFENVMT
		R	/DISTYP/	CLUTER	L REFENVMT
		R	/DISTYP/	SCLDEN	L REFENVMT
		R	/DISTYP/	INITE	M L REFENVMT
		R	/BARAS/	PRATIO	L REFENVMT
		R	/BARAS/	INITE	M L REFENVMT
		R	/MPATHI/	INITE	L REFENVMT
RICESM	Mean-to-median ratio for Rice distribution.	R	/MPATHI/	INIT2	M L REFSEEK
		R	/ARMKIN/	MAIN	L REFMAIN
		R	/ARMKIN/	KINE4	M L REPAIR
RMSWHT	RMS wave height in meters.	R	/ARMKIN/	INITAM	M L REPAIR
		R	/ARMKIN/	SWITCH	L REPAIR
		R	/RNDPR2/	RAPR1	L REFENVMT
RMT	Range from missile to target in meters.	R	/RNDPR2/	RAPR2	L REFENVMT
		R	/RNDPR2/	RAPR3	L REFENVMT
		R	/RNDPR2/	RAPR4	L REFENVMT
		R	/RNDPR2/	RCO	M L REFENVMT
		R	/RNDPR/	BPRPR	L REFENVMT
		R	/RNDPR2/	INITE	M L REFENVMT
		R	/RNDPR/	ANGER	L REFENVMT
		R	/RNDPR/	ANGRCO	M L REFENVMT
		R	/BARAS/	RAPR5	L REFENVMT
		R	/BARAS/	RCO	M L REFENVMT
RNCO	Correlation filter coefficient.	R	/BARAS/	INITE	M L REFENVMT
		R	/BARAS/	RAPR5	L REFENVMT
		R	/BARAS/	RCO	M L REFENVMT
RNCOQ	Correlation filter coefficients.	R	/BARAS/	RAPR5	L REFENVMT
		R	/BARAS/	RCO	M L REFENVMT
		R	/BARAS/	INITE	M L REFENVMT
RNDACC	Repeater RGPO delay acceleration in microseconds/second**2.	R	/VDECO/	INTR	M L REFECM
		R	/VDECO/	RGPO	L REFECM
RNDMAX	Maximum value of RGPO repeater delay in microseconds.	R	/VDECO/	INTR	M L REFECM
		R	/VDECO/	RGPO	L REFECM
RNDMIN	Minimum value of RGPO repeater delay in microseconds.	R	/VDECO/	INTR	M L REFECM
		R	/VDECO/	RGPO	L REFECM
RNDVEL	Repeater RGPO delay velocity in microseconds/second.	R	/VDECO/	INTR	M L REFECM
		R	/VDECO/	RGPO	L REFECM
RNDWLL	Repeater dwell time before RGPO sweep in seconds.	R	/VDECO/	INTR	M L REFECM
		R	/VDECO/	RGPO	L REFECM

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
RPPINT	Interval between pulses of a multipulse decoy in microseconds.	R	/VDECO/	INITR	M	L_REFECM
RPPNUM	Number of pulses in the transmitted group of a multipulse decoy.	R	/VDECO/	DLPLSE		L_REFECM
RPSTIM	Starting time of latest repeater sweep in seconds.	R	/VDECO/	INITR	M	L_REFECM
RPTDEL	Decoy repeater turnaround delay in microseconds.	R	/VDECO/	DLPLSE		L_REFECM
		R	/VDECO/	INITR	M	L_REFECM
		R	/VDECO/	RGPO	M	L_REFECM
		R	/VDECO/	INITR	M	L_REFECM
		R	/VDECO/	RGPO	M	L_REFECM
		R	/VDECO/	INITC	M	L_REFSEEK
		R	/VDECO/	MOD2		L_REFSEEK
		R	/VDECO/	RGATE		L_REFSEEK
RPTHLD	Decoy input power threshold in dbm.	R	/VDECO/	INITR	M	L_REFECM
		R	/VDECO/	PAYLOD		L_REFECM
RPTREC	Repeater recovery time in microseconds.	R	/VDECO/	INITR	M	L_REFECM
RSIN	Sine of a random phase angle (the same angle as RCOS).	R	/CRNDSC/	M3TRGV		L_REFSEEK
		R	/CRNDSC/	M3TRGV		L_REFSEEK
		R	/CRNDSC/	MODPLX		L_REFSEEK
		R	/CRNDSC/	MODXM3	M	L_REFSEEK
		R	/CRNDSC/	RNDSC	M	L_REFSEEK
		R	/CRNDSC/	TARGVD		L_REFSEEK
RUNTIM	Maximum duration of the run in seconds.	R	/PARAM/	MAIN		L_REFMAIN
		R	/PARAM/	MAIN		L_REFMAIN
		R	/PARAM/	INIT2	M	L_REFSEEK
		R	/PARAM/	INITC	M	L_REFSEEK
S	Table of sines of angles from 0 to 90 degrees.	R	/SINES/	RNDSCI	M	L_REFSEEK
S1	Table of sines of angles from 0 to 90 degrees.	R	/SINES/	RNDSC		L_REFSEEK
SARRAY	Array of bins of the search gate.	R	/RCOM/	PGATE2	M	L_REFSEEK
		R	/RCOM/	RGATE2	M	L_REFSEEK
		R	/RCOM/	SGATE2	M	L_REFSEEK
SCINT	Amplitude scintillation array.	R	/SCINT/	AMERCS		L_REFENVMT
		R	/SCINT/	DECHO		L_REFENVMT
		R	/SCINT/	ELSTR	M	L_REFENVMT
		R	/SCINT/	EMERCS		L_REFENVMT
		R	/SCINT/	MIXPR		L_REFENVMT
		R	/SCINT/	MNTOMD		L_REFENVMT
		R	/SCINT/	PRATIO	M	L_REFENVMT
		R	/SCINT/	RAPR3		L_REFENVMT
		R	/SCINT/	RAPR4		L_REFENVMT
		R	/SCINT/	RAPR5		L_REFENVMT
		R	/SCINT/	RCO		L_REFENVMT
		R	/SCINT/	SWITAN	M	L_REFENVMT
		R	/SCINT/	TARANG	M	L_REFENVMT
		R	/SCINT/	TARDEN		L_REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/SCINT/	TCORSC	L_REFENVMT
		R	/SCINT/	INITE M	L_REFENVMT
		R	/SCINT/	ANGRCO	L_REFENVMT
		R	/SCINT/	ANGVA	L_REFENVMT
		R	/SCINT/	CENTER	L_REFENVMT
		R	/SCINT/	CRITRA	L_REFENVMT
		R	/SCINT/	REFANG	L_REFENVMT
		R	/SCINT/	WTACE	L_REFENVMT
SEACL	Sea clutter array.	R	/DISTYP/	BPRPR M	L_REFENVMT
		R	/DISTYP/	CLINTF	L_REFENVMT
		R	/DISTYP/	SCLDEN	L_REFENVMT
		R	/DISTYP/	SCLSPC M	L_REFENVMT
		R	/DISTYP/	INITE M	L_REFENVMT
SEACON	Sea conductivity coefficient.	R	/MPBLK4/	MPINIT M	L_REFENVMT
		R	/MPBLK4/	MPMAIN	L_REFENVMT
SEADIE	Sea dielectric constant.	R	/MPBLK4/	MPINIT M	L_REFENVMT
		R	/MPBLK4/	MPMAIN	L_REFENVMT
SGATE	Equivalenced to X(20). (search gate)	R	/INT/	PGATE2	L_REFSEEK
		R	/INT/	RGATE2 M	L_REFSEEK
		R	/INT/	SGATE2	L_REFSEEK
SHFTRG	Shift register.	I	/MNLK/	MNLCKI M	L_REFSEEK
		I	/MNLK/	MNLOCK M	L_REFSEEK
SIGMB	Median RCS at bow in meters**2.	R	/BARAS/	AMERCS	L_REFENVMT
		R	/BARAS/	INITE M	L_REFENVMT
SIGME	Current value of median RCS in meters**2.	R	/MCSAS/	AMERCS M	L_REFENVMT
		R	/MCSAS/	DECHO	L_REFENVMT
		R	/MCSAS/	EMERCS M	L_REFENVMT
		R	/MCSAS/	RAPR1	L_REFENVMT
		R	/MCSAS/	RAPR2	L_REFENVMT
		R	/MCSAS/	RAPR3	L_REFENVMT
		R	/MCSAS/	RAPR4	L_REFENVMT
		R	/MCSAS/	RAPR5	L_REFENVMT
		R	/MCSAS/	INITE M	L_REFENVMT
SIGMP	Median RCS at port and starboard in meters**2.	R	/MCSAS/	AMERCS	L_REFENVMT
		R	/MCSAS/	DECHO	L_REFENVMT
		R	/MCSAS/	INITE M	L_REFENVMT
SIGMS	Median RCS at stern in meters**2.	R	/MCSAS/	AMERCS	L_REFENVMT
		R	/MCSAS/	DECHO	L_REFENVMT
		R	/MCSAS/	INITE M	L_REFENVMT
SIGP	Sight-line angle to target in pitch in degrees.	R	/SKRENV/	MAIN	L_REFMAIN
		R	/SKRENV/	KINE4 M	L_REFAIR
		R	/SKRENV/	DUMPIT	L_REFAIR
		R	/SKRENV/	INITAM M	L_REFAIR
		R	/SKRENV/	PAYLOD	L_REFECM
		R	/SKRENV/	TARANG	L_REFENVMT
		R	/SKRENV/	GLINT2 M	L_REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/SKREN/	PRINT2	L_REFSEEK
		R	/SKREN/	MOD2	M L_REFSEEK
		R	/SKREN/	SEEK4	L_REFSEEK
		R	/SKREN/	RGATE	M L_REFSEEK
SIGPO	Previous value of pitch sight-line angle in degrees.	R	/SCINT/	TARANG	M L_REFENWMT
		R	/SCINT/	INITE	M L_REFENWMT
SIGPSI	Previous value of PSISPC; used in SIGTST.	R	/MPBLK6/	MPINIT	M L_REFENWMT
		R	/MPBLK6/	SIGTST	M L_REFENWMT
SIGY	Sight-line angle to target in yaw in degrees.	R	/SKREN/	MAIN	L_REFMAIN
		R	/SKREN/	KINE4	M L_REPAIR
		R	/SKREN/	DUMPIT	L_REPAIR
		R	/SKREN/	INITAM	M L_REPAIR
		R	/SKREN/	PAYLOD	L_REFBOM
		R	/SKREN/	TARANG	L_REFENWMT
		R	/SKREN/	INITE	M L_REFENWMT
		R	/SKREN/	GLINT2	M L_REFENWMT
		R	/SKREN/	REFANG	L_REFENWMT
		R	/SKREN/	WDACE	L_REFENWMT
		R	/SKREN/	PRINT2	L_REFSEEK
		R	/SKREN/	MOD2	M L_REFSEEK
		R	/SKREN/	SEEK4	L_REFSEEK
		R	/SKREN/	RGATE	M L_REFSEEK
SKRWR	Threat seeker transmit power in watts.	R	/SKREN/	PAYLOD	L_REFBOM
		R	/SKREN/	INIT2	M L_REFSEEK
		R	/SKREN/	INITS	L_REFSEEK
		R	/SKREN/	M3TRGI	L_REFSEEK
SL	Ship length in meters.	R	/ENWMT/	CENTER	L_REFENWMT
SPTCH	Previous value of sine of pitch.	R	/KINE/	KINE2	M L_REPAIR
		R	/KINE/	INITHR	M L_REPAIR
		R	/KINE/	INITMS	M L_REPAIR
SSCAN	Sine of beam scanner angle.	R	/SCAN/	MLTPTH	L_REFENWMT
		R	/SCAN/	SCAN2	M L_REFSEEK
		R	/SCAN/	DEM0D2	L_REFSEEK
		R	/SCAN/	MOD2	L_REFSEEK
		R	/SCAN/	MODPLX	L_REFSEEK
		R	/SCAN/	TARGVD	L_REFSEEK
STGWT	Split track gate width in microseconds.	R	/DCOY/	DLPLSE	L_REFBOM
		R	/DCOY/	INIT2	M L_REFSEEK
		R	/DCOY/	COMPVD	L_REFSEEK
		R	/DCOY/	M3CMPV	L_REFSEEK
		R	/DCOY/	RGATE2	L_REFSEEK
		R	/DCOY/	RGATE1	L_REFSEEK
		R	/DCOY/	TGATE2	L_REFSEEK
SUFFIX	Suffix to indicate model type: ".C"=Cosro. ".M"=Mono.	I	/PRINT/	MAIN	L_REFMAIN
		I	/PRINT/	MAIN	L_REFMAIN
		I	/PRINT/	DUMPIT	L_REPAIR

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
SUM	Cumulative change in aspect angle in degrees.	I	/PRINT/	INIT2	L REFSEEK
		I	/PRINT/	PRINT2	L REFSEEK
		R	/DISTYP/	TARANG M	L REFENMT
		R	/DISTYP/	INITE M	L REFENMT
SUMI	Imaginary part of antenna gain sum channel.	R	/DISTYP/	GLINT2 M	L REFENMT
		R	/INTOUT/	ANTI1	L REFSEEK
		R	/INTOUT/	ANTI2	L REFSEEK
		R	/INTOUT/	ANTI	L REFSEEK
		R	/INTOUT/	ANTNA M	L REFSEEK
		R	/INTOUT/	ANTNA1 M	L REFSEEK
		R	/INTOUT/	ANTNA2 M	L REFSEEK
		R	/INTOUT/	M3TRGV	L REFSEEK
		R	/INTOUT/	M3TRGV	L REFSEEK
		R	/INTOUT/	MODM3	L REFSEEK
SUMPAI	Sum pattern (imaginary part).	I	/PATRN2/	ANTI2	L REFSEEK
SUMPAR	Sum pattern (real part).	I	/PATRN1/	ANTI2	L REFSEEK
SUMPAT	Sum antenna pattern array.	I	/PATRN1/	ANTNA2	L REFSEEK
		I	/PATRN/	ANTI1	L REFSEEK
SUMR	Real part of antenna gain sum channel.	I	/PATRN/	ANTNA1	L REFSEEK
		R	/INTOUT/	ANTI1	L REFSEEK
		R	/INTOUT/	ANTI2	L REFSEEK
		R	/INTOUT/	ANTI	L REFSEEK
		R	/INTOUT/	ANTNA M	L REFSEEK
		R	/INTOUT/	ANTNA1 M	L REFSEEK
		R	/INTOUT/	ANTNA2 M	L REFSEEK
		R	/INTOUT/	M3TRGV	L REFSEEK
		R	/INTOUT/	M3TRGV	L REFSEEK
		R	/INTOUT/	MODM3	L REFSEEK
SUMRR	Equivalenced to "SUMPAT".	I	/PATSYM/	ANTNA	L REFSEEK
SUMIMP	Equivalenced to "CVIDEO".	R	/CV/	DOTPR	L REFSEEK
SUPT	Sum pattern.	I	/PATSYM/	ANTI M	L REFSEEK
SW	Ship width in meters.	R	/ENMT/	CENTER	L REFENMT
SYAW	Previous value of sine of yaw.	R	/KINE/	KINE2 M	L REFAIR
		R	/KINE/	INITHR M	L REFAIR
		R	/KINE/	INITMS M	L REFAIR
		R	/PARAM/	MAIN	L REFMAIN
		R	/PARAM/	MAIN	L REFMAIN
		R	/PARAM/	AGC2	L REFSEEK
		R	/PARAM/	INITC M	L REFSEEK
		R	/PARAM/	INITS M	L REFSEEK
		R	/PARAM/	DEM0D2	L REFSEEK
		R	/PARAM/	DOTPR	L REFSEEK
T	T array. Contains time constants, etc. See also APPENDIX D.	R	/PARAM/	DISH2	L REFSEEK
		R	/PARAM/	DISHM	L REFSEEK
		R	/PARAM/	LOCK2	L REFSEEK
		R	/PARAM/	LOCK2	L REFSEEK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
TAGC	Noise loop filter time constant.	R	/ACC/	ACC2	L_REPSEEK
		R	/ACC/	INITS	M L_REPSEEK
TARCL	Angle noise array.	R	/GLINT/	ANGVA	M L_REFENANT
TARCN	Angle noise array.	R	/GLINT/	ANGVA	M L_REFENANT
TAREL	Angle noise array.	R	/GLINT/	ANGVA	L_REFENANT
		R	/GLINT/	CRITRA	L_REFENANT
		R	/GLINT/	REFANG	L_REFENANT
		R	/GLINT/	TAREPL	M L_REFENANT
TAREN	Angle noise array.	R	/GLINT/	ANGVA	L_REFENANT
		R	/GLINT/	CRITRA	L_REFENANT
		R	/GLINT/	REFANG	L_REFENANT
		R	/GLINT/	TAREPL	M L_REFENANT
TARRAY	Array of bins of the track gate.	R	/RCOV/	RGATE2	L_REPSEEK
		R	/RCOV/	TGATE2	M L_REPSEEK
TBEGIN	Target echo leading edge in microseconds. Duplicate of TGTDL.	R	/RGAT/	ECN	L_REFECH
		R	/RGAT/	NJTRGV	L_REPSEEK
		R	/RGAT/	NJTRGV	L_REPSEEK
		R	/RGAT/	MODPLX	L_REPSEEK
		R	/RGAT/	MODM3	L_REPSEEK
		R	/RGAT/	TARGVD	L_REPSEEK
		R	/RGAT/	RGATE	M L_REPSEEK
TDPLOY	Target deployment time in seconds. See also APPENDIX D.	R	/VCORE/	INITP	M L_REFECH
		R	/VCORE/	INITE	L_REFENANT
		R	/VCORE/	INIT2	M L_REPSEEK
		R	/VCORE/	CHAFF	M L_REPTOT
		R	/VCORE/	DECOY	M L_REPTOT
		R	/VCORE/	TARGET	L_REPTOT
TEND	Target echo trailing edge in microseconds.	R	/RGAT/	NJTRGV	L_REPSEEK
		R	/RGAT/	NJTRGV	L_REPSEEK
		R	/RGAT/	MODPLX	L_REPSEEK
		R	/RGAT/	MODM3	L_REPSEEK
		R	/RGAT/	TARGVD	L_REPSEEK
		R	/RGAT/	RGATE	M L_REPSEEK
TGATE	Equivalenced to X(21). (track gate)	R	/INT/	RGATE2	M L_REPSEEK
		R	/INT/	TGATE2	L_REPSEEK
TGTAMP	Target return level computed in missile receiver in volts.	R	/SKRENV/	INITC	M L_REPSEEK
		R	/SKRENV/	NJTRGV	M L_REPSEEK
		R	/SKRENV/	NJTRGV	M L_REPSEEK
		R	/SKRENV/	MOD2	M L_REPSEEK
		R	/SKRENV/	MODPLX	M L_REPSEEK
		R	/SKRENV/	MODM3	M L_REPSEEK
		R	/SKRENV/	TARGVD	M L_REPSEEK
		R	/SKRENV/	SGATE2	L_REPSEEK
		R	/SKRENV/	TGATE2	L_REPSEEK
TGTBDT	Target turning rate in degrees/second.	R	/SKRENV/	INITE	L_REFENANT
		R	/SKRENV/	INIT2	M L_REPSEEK

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX A - REFSEM Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L_File
TGTBRG Target bearing COM from positive X-axis in degrees.	R	/SIREN/	INITC	M L REFSEEX
	R	/SIREN/	DECOY	L REPTOT
	R	/SIREN/	SHIP	L REPTOT
	R	/SIREN/	KINE4	L REPAIR
	R	/SIREN/	INITDM	M L REPAIR
	R	/SIREN/	PAYLOD	L REPSCH
	R	/SIREN/	TANAG	L REPDANT
	R	/SIREN/	INITE	L REPDANT
	R	/SIREN/	INT2	M L REFSEEX
	R	/SIREN/	INITC	M L REFSEEX
	R	/SIREN/	ABOARD	M L REPTOT
	R	/SIREN/	DECOY	M L REPTOT
	R	/SIREN/	SHIP	M L REPTOT
	R	/SIREN/	DLPLSE	M L REPSCH
TGTDLV Leading edge of target pulse received by seeker in microseconds.	R	/SIREN/	INITC	M L REFSEEX
	R	/SIREN/	PRINT2	L REFSEEX
	R	/SIREN/	MOD2	M L REFSEEX
	R	/SIREN/	RGATE	M L REFSEEX
	R	/SIREN/	SGATE2	L REFSEEX
	R	/SIREN/	TGATE2	L REFSEEX
TOTRCS RCS in square meters or ERP in watts.	R	/SIREN/	MADN	M L REPMADN
	R	/SIREN/	MADN	M L REPMADN
	R	/SIREN/	SON	L REPSCH
	R	/SIREN/	PAYLOD	M L REPSCH
	R	/SIREN/	RAFR1	M L REPDANT
	R	/SIREN/	RAFR2	M L REPDANT
	R	/SIREN/	RAFR3	M L REPDANT
	R	/SIREN/	RAFR4	M L REPDANT
	R	/SIREN/	RAFR5	M L REPDANT
	R	/SIREN/	INIT2	M L REFSEEX
	R	/SIREN/	INITC	M L REFSEEX
	R	/SIREN/	PRINT2	L REFSEEX
	R	/SIREN/	MJTRGV	L REFSEEX
	R	/SIREN/	MJTRGV	L REFSEEX
TOTRPM Width of target pulse received by seeker in microseconds.	R	/SIREN/	MOD2	L REFSEEX
	R	/SIREN/	MODPLX	L REFSEEX
	R	/SIREN/	MODM3	L REFSEEX
	R	/SIREN/	TARGVD	L REFSEEX
	R	/SIREN/	INITR	L REPSCH
	R	/SIREN/	INIT2	M L REFSEEX
	R	/SIREN/	INITC	M L REFSEEX
	R	/SIREN/	RGATE	L REFSEEX
	R	/SIREN/	SGATE2	L REFSEEX
	R	/SIREN/	TGATE2	L REFSEEX
TOTRYP 0=Passive; 1=Active; 2=Sea clutter.	R	/SIREN/	MJTRGV	L REFSEEX
	R	/SIREN/	MJTRGV	L REFSEEX

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSDM Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L_File
TORVEL Target velocity in knots.	R	/SIREN/	TARGD	L_REFSEEX
	R	/SIREN/	KINE4	L_REPAIR
	R	/SIREN/	INTDM M	L_REPAIR
	R	/SIREN/	INITE	L_REPBANT
	R	/SIREN/	INT2	M L_REFSEEX
	R	/SIREN/	INTC M	L_REFSEEX
	R	/SIREN/	DECOY	L_REPTOT
	R	/SIREN/	SHIP	L_REPTOT
	R	/SIREN/	MAIN	L_REPMAN
	R	/SIREN/	MAIN	L_REPMAN
TOTXCO Target position on X-axis in meters.	R	/SIREN/	MAIN	L_REPMAN
	R	/SIREN/	MAIN	L_REPMAN
	R	/SIREN/	MAIN	L_REPMAN
	R	/SIREN/	KINE4	L_REPAIR
	R	/SIREN/	INTDM M	L_REPAIR
	R	/SIREN/	TARGC	L_REPBANT
	R	/SIREN/	INITE	L_REPBANT
	R	/SIREN/	CENTER M	L_REPBANT
	R	/SIREN/	GLINT2	L_REPBANT
	R	/SIREN/	WDCE	L_REPBANT
	R	/SIREN/	INT2	M L_REFSEEX
	R	/SIREN/	INTC M	L_REFSEEX
	R	/SIREN/	INTS	L_REFSEEX
	R	/SIREN/	INT4 M	L_REFSEEX
	R	/SIREN/	PRINT2	L_REFSEEX
	R	/SIREN/	MOD2	L_REFSEEX
	R	/SIREN/	RCATE	L_REFSEEX
	R	/SIREN/	ADONAD M	L_REPTOT
	R	/SIREN/	CHAPP M	L_REPTOT
	R	/SIREN/	DECOY M	L_REPTOT
TOTYCO Target position on Y-axis in meters.	R	/SIREN/	SHIP M	L_REPTOT
	R	/SIREN/	MAIN	L_REPMAN
	R	/SIREN/	KINE4	L_REPAIR
	R	/SIREN/	INTDM M	L_REPAIR
	R	/SIREN/	INITE	L_REPBANT
	R	/SIREN/	CENTER M	L_REPBANT
	R	/SIREN/	GLINT2	L_REPBANT
	R	/SIREN/	WDCE	L_REPBANT
	R	/SIREN/	INT2	M L_REFSEEX
	R	/SIREN/	INTC M	L_REFSEEX
	R	/SIREN/	INT4 M	L_REFSEEX
	R	/SIREN/	PRINT2	L_REFSEEX
	R	/SIREN/	MOD2	L_REFSEEX
	R	/SIREN/	RCATE	L_REFSEEX
	R	/SIREN/	ABOARD M	L_REPTOT
	R	/SIREN/	CHAPP M	L_REPTOT
	R	/SIREN/	DECOY M	L_REPTOT
	R	/SIREN/	SHIP M	L_REPTOT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFEM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
TOTZCO	Target position on Z-axis in meters.	R	/SIRDN/	INITE	L REFEMANT
		R	/SIRDN/	GLINT2	L REFEMANT
		R	/SIRDN/	MLPTH	L REFEMANT
		R	/SIRDN/	INIT2	N L REFSEEX
		R	/SIRDN/	INITC	N L REFSEEX
		R	/SIRDN/	INIT5	L REFSEEX
		R	/SIRDN/	MOD2	L REFSEEX
		R	/SIRDN/	SCATE	L REFSEEX
		R	/SIRDN/	ABOARD	N L REPTOT
		R	/SIRDN/	CHIFF	N L REPTOT
		R	/SIRDN/	DECOY	L REPTOT
TISCM	Aspect angle where depression starts in degrees.	R	/BARAS/	ANRCS	N L REFEMANT
		R	/BARAS/	INITE	N L REFEMANT
TIDVAX	Maximum elevation angle stored in degrees.	R	/INTERP/	ANT11	N L REFSEEX
		R	/INTERP/	ANT12	N L REFSEEX
		R	/INTERP/	ANT1A1	L REFSEEX
		R	/INTERP/	ANT1A2	L REFSEEX
TIDBDS	Minimum elevation angle stored in degrees.	R	/INTERP/	ANT11	N L REFSEEX
		R	/INTERP/	ANT12	N L REFSEEX
		R	/INTERP/	ANT1A1	L REFSEEX
		R	/INTERP/	ANT1A2	L REFSEEX
TINT	Azimuth argument for antenna interpolation routine in degrees.	R	/INTSV/	ANT1	N L REFSEEX
		R	/INTSV/	ANT1A	L REFSEEX
		R	/INTSV/	KITROV	N L REFSEEX
		R	/INTSV/	MOD1A3	N L REFSEEX
TINT	Uncaged pitch lead gyro angle in degrees.	R	/ADV/	AUTO4	L REPAIR
		R	/ADV/	DUMPT	L REPAIR
		R	/ADV/	INITM	N L REPAIR
		R	/ADV/	INT4	N L REFSEEX
TIRSL	Angle noise array.	R	/GLINT/	REFANG	N L REFEMANT
TIRSN	Angle noise array.	R	/GLINT/	REFANG	N L REFEMANT
TIRWLD	Constant associated with update test in SIOYST.	R	/REBLR/	*PINIT	N L REFEMANT
		R	/REBLR/	SIOYST	L REFEMANT
TITD	Pitch base servo output in degrees.	R	/AUTO/	AUTO2	L REPAIR
		R	/AUTO/	AUTO3	L REPAIR
		R	/AUTO/	AUTO4	L REPAIR
		R	/AUTO/	INITM	N L REPAIR
		R	/AUTO/	INITR	N L REPAIR
		R	/AUTO/	INIT5	N L REPAIR
		R	/AUTO/	INT2	N L REFSEEX
		R	/AUT/	INT4	N L REFSEEX
TITG	Missile pitch angle in degrees.	R	/AIRSR/	*AIN	L REPMAN
		R	/AIRSR/	AUTO2	L REPAIR
		R	/AIRSR/	AUTO3	L REPAIR
		R	/AIRSR/	AUTO4	L REPAIR
		R	/AIRSR/	*INE2	L REPAIR

NOTES: *M* column indicates variable is modified.
 T column heading indicates type attribute.

APPENDIX A - REFEDM Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L_File
	R	/AIRSR/	DUMPIT	L_REPAIR
	R	/AIRSR/	INITAM M	L_REPAIR
	R	/AIRSR/	INITHR M	L_REPAIR
	R	/AIRSR/	INITMS M	L_REPAIR
	R	/AIRSR/	SCLDEN	L_REFENVMT
	R	/AIRSR/	GLINT2	L_REFENVMT
	R	/AIRSR/	MLTPTH	L_REFENVMT
	R	/AIRSR/	INT2 M	L_REFSEEK
	R	/AIRSR/	INT4 M	L_REFSEEK
	R	/AIRSR/	PRINT2	L_REFSEEK
	R	/AIRSR/	MOD2	L_REFSEEK
	R	/AIRSR/	SEEK4	L_REFSEEK
	R	/AIRSR/	RGATE	L_REFSEEK
TNTL Yaw lead gyro angle in degrees.	R	/AUTO/	AUTO2	L_REPAIR
	R	/AUTO/	AUTO3	L_REPAIR
	R	/AUTO/	AUTO4	L_REPAIR
	R	/AUTO/	DUMPIT	L_REPAIR
	R	/AUTO/	INITAM M	L_REPAIR
	R	/AUTO/	INITHR M	L_REPAIR
	R	/AUTO/	INITMS M	L_REPAIR
	R	/AUTO/	INT2 M	L_REFSEEK
	R	/AUTO/	INT4 M	L_REFSEEK
	R	/AUTO/	PRINT2	L_REFSEEK
TIME Accumulated run time in seconds.	D	/ASE/	MAIN	L_REPMAN
	D	/ASE/	MAIN	L_REPMAN
	D	/ASE/	MAIN M	L_REPMAN
	D	/ASE/	INITAM M	L_REPAIR
	D	/ASE/	SWITCH	L_REPAIR
	D	/ASE/	RGPO	L_REFBCM
	D	/ASE/	TARANG	L_REFENVMT
	D	/ASE/	BPRPR	L_REFENVMT
	D	/ASE/	CLUTER	L_REFENVMT
	D	/ASE/	CRITRA	L_REFENVMT
	D	/ASE/	GLINT2	L_REFENVMT
	D	/ASE/	REFANG	L_REFENVMT
	D	/ASE/	MLTPTH	L_REFENVMT
	D	/ASE/	INITC M	L_REFSEEK
	D	/ASE/	INT2 M	L_REFSEEK
	D	/ASE/	DECOY	L_REFTGT
	D	/ASE/	TARGET	L_REFTGT
TIME0 Previous value of time in seconds.	D	/SCINT/	TARANG M	L_REFENVMT
	D	/SCINT/	CLUTER	L_REFENVMT
	D	/SCINT/	INITE M	L_REFENVMT
TRATIO Threat antenna gain ratio.	R	/MPATHI/	MLTPTH M	L_REFENVMT
TRIM Gravity offset in degrees.	R	/AUTO/	AUTO3	L_REPAIR
	R	/AUTO/	INITHR M	L_REPAIR

NOTES: *M* column indicates variable is modified.
 T column heading indicates type attribute.

APPENDIX A - REFSEM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
TRMIX	Percent of major aspect density type in mixed regions.	R	/AUTO/	INITMS	M L REPAIR
		R	/DISTYP/	NIJPR	M L REPENDMT
		R	/DISTYP/	RAFR5	L REPENDMT
		R	/DISTYP/	SCLDEN	M L REPENDMT
TVID	Time of arrival of the complex video signal edge (microseconds).	R	/DISTYP/	INITE	M L REPENDMT
		R	/PREC/	COMPD	L REPSECK
		R	/PREC/	NJONPV	L REPSECK
		R	/PREC/	NJTRGV	M L REPSECK
		R	/PREC/	NJTRGV	M L REPSECK
		R	/PREC/	MODPLX	M L REPSECK
		R	/PREC/	MODM3	M L REPSECK
		R	/PREC/	TARGVD	M L REPSECK
TWTFMR	Decoy TWT output in watts.	R	/DCOY/	PAYLOD	L REPECH
		R	/DCOY/	INIT2	M L REPSECK
USFM	Two-way signal travel time in microseconds/meter.	R	/CONST/	INITR	L REPECH
		R	/CONST/	INITC	M L REPSECK
		R	/CONST/	INIT5	L REPSECK
		R	/CONST/	MOD2	L REPSECK
		R	/CONST/	RGATE	L REPSECK
VDOAZ	Real array equivalent to "CVD0AZ", azimuth difference video.	R	/CV/	NJONPV	M L REPSECK
VDOEL	Real array equivalent to "CVD0EL", elevation difference video.	R	/CV/	NJONPV	M L REPSECK
VEL	Missile velocity vector in meters/second.	R	/KINE/	MAIN	L REPMADN
		R	/KINE/	AERO4	L REPAIR
		R	/KINE/	KINE2	L REPAIR
		R	/KINE/	KINE4	L REPAIR
		R	/KINE/	DUMPTT	L REPAIR
		R	/KINE/	INITAM	M L REPAIR
		R	/KINE/	MISS	L REPAIR
		R	/KINE/	INITE	L REPENDMT
		R	/KINE/	INIT2	M L REPSECK
		R	/KINE/	INT4	M L REPSECK
VID	Real array equivalent to "CVID", complex video sum "deltas".	R	/PREC/	COMPD	M L REPSECK
		R	/PREC/	NJONPV	M L REPSECK
		R	/PREC/	NJTRGV	M L REPSECK
		R	/PREC/	NJTRGV	M L REPSECK
		R	/PREC/	MODPLX	M L REPSECK
		R	/PREC/	MODM3	M L REPSECK
		R	/PREC/	TARGVD	M L REPSECK
		R	/CV/	RGTRAK	L REPSECK
VIDA	Equivalenced to "CVD0AZ".	R	/CV/	NJ0ATV	M L REPSECK
VIDAZ	Real array equivalent to "CVIDAZ", azimuth difference video.	R	/PREC/	NJONPV	M L REPSECK
		R	/PREC/	NJTRGV	M L REPSECK
		R	/PREC/	NJTRGV	M L REPSECK
		R	/PREC/	MODM3	M L REPSECK

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
VIDE	Equivalenced to "CVIDEO".	R	/CV/	M3SATV	M L REFSEEK
VIDEL	Real array equivalent to "CVIDEL", elevation difference video.	R	/PRECV/	M3CMPV	M L REFSEEK
		R	/PRECV/	M3TRGV	M L REFSEEK
		R	/PRECV/	M3TRGV	M L REFSEEK
		R	/PRECV/	MODM3	M L REFSEEK
VIDEO	Peak envelope of the composite video signal in volts.	R	/AGC/	AGC2	L REFSEEK
		R	/AGC/	INITS	M L REFSEEK
		R	/AGC/	PRINT2	L REFSEEK
		R	/AGC/	DEM0D2	L REFSEEK
		R	/CV/	COMPVD	M L REFSEEK
		R	/CV/	M3CMPV	M L REFSEEK
		R	/AGC/	LOCK2	L REFSEEK
		R	/AGC/	MMLOCK	L REFSEEK
		R	/AGC/	RGATE2	M L REFSEEK
		R	/AGC/	ROTRAK	M L REFSEEK
VID012	Square of the video saturation amplitude (magnitude).	R	/CV/	M3SATV	L REFSEEK
VID5	Equivalenced to "CVIDEO".	R	/CV/	M3TRGI	M L REFSEEK
VND	AGC noise voltage in volts.	R	/CV/	M3SATV	M L REFSEEK
		R	/AGC/	AGC2	L REFSEEK
		R	/AGC/	INITS	M L REFSEEK
VOUT	Log to the base 10 of the AGC signal in volts.	R	/AGC/	AGC2	M L REFSEEK
		R	/AGC/	PRINT2	L REFSEEK
VTRESH	Detection threshold in volts.	R	/MNLK/	MNLCKI	M L REFSEEK
		R	/MNLK/	MNLCKI	L REFSEEK
WAVLEN	Radar wavelength in meters.	R	/MFBLK2/	MPINIT	M L REFENMNT
		R	/MFBLK2/	MEMAIN	L REFENMNT
WAVRMS	RMS wave height in meters.	R	/MFBLK5/	MPINIT	M L REFENMNT
		R	/MFBLK5/	MEMAIN	L REFENMNT
WTLO	Weight loss in kilograms/second.	R	/ARM/	AERO4	L REPAIR
		R	/ARM/	DUMPIT	L REPAIR
		R	/ARM/	INITAM	M L REPAIR
		R	/ARM/	INT4	M L REFSEEK
WX	X component of wind in knots.	R	/DCOY/	INIT2	M L REFSEEK
		R	/DCOY/	CHAFF	L REPTGT
		R	/DCOY/	DECOY	L REPTGT
WY	Y component of wind in knots.	R	/DCOY/	INIT2	M L REFSEEK
		R	/DCOY/	CHAFF	L REPTGT
		R	/DCOY/	DECOY	L REPTGT
X	X integrator array. See also APPENDIX D.	R	/INT/	DLPLSE	L REPBCH
		R	/INT/	SCLDEN	L REFENMNT
		R	/INT/	ANGVA	M L REFENMNT
		R	/INT/	GLINT2	L REFENMNT
		R	/INT/	REFANG	L REFENMNT
		R	/INT/	MLTPTH	L REFENMNT
		R	/INT/	AGC2	L REFSEEK
		R	/INT/	SCAN2	M L REFSEEK

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
		R	/INT/	INITC	M	L REFSEEK
		R	/INT/	INITS	M	L REFSEEK
		R	/INT/	INT2	M	L REFSEEK
		R	/INT/	PRINT2		L REFSEEK
		R	/INT/	DEM0D2		L REFSEEK
		R	/INT/	DOTPR	M	L REFSEEK
		R	/INT/	DISH2		L REFSEEK
		R	/INT/	DISHM	M	L REFSEEK
		R	/INT/	MOD2		L REFSEEK
		R	/INT/	LOCK2	M	L REFSEEK
		R	/INT/	MNLOCK		L REFSEEK
		R	/INT/	RGATE		L REFSEEK
		R	/INT/	RGATE2	M	L REFSEEK
		R	/INT/	RGTRAK	M	L REFSEEK
XIMAG	Imaginary part of the multipath factor.	R	/MPATHI/	MLTPTH	M	L REFENVMT
		R	/MPATHI/	MODPLX		L REFSEEK
		R	/MPATHI/	MODXM3		L REFSEEK
XL	Lower limits for X array integrators.	R	/INT/	RGATE2		L REFSEEK
XLMDA	Wavelength in meters.	R	/SKRENV/	INITE	M	L REFENVMT
		R	/SKRENV/	INITS	M	L REFSEEK
XLMDA2	Wavelength**2 in meters**2.	R	/SKRENV/	INITS	M	L REFSEEK
		R	/SKRENV/	M3TRGI		L REFSEEK
XLS	Lower limits for X array integrators in search mode.	R	/INT/	INITC	M	L REFSEEK
		R	/INT/	INITS	M	L REFSEEK
		R	/INT/	INT2		L REFSEEK
		R	/INT/	RGTRAK		L REFSEEK
XLT	Lower limits for X array integrators in terminal mode.	R	/INT/	INITC	M	L REFSEEK
		R	/INT/	INITS	M	L REFSEEK
		R	/INT/	INT2		L REFSEEK
XM	Missile X position in meters.	R	/ASE/	MAIN		L REFMAIN
		R	/ASE/	MAIN		L REFMAIN
		R	/ASE/	MAIN		L REFMAIN
		R	/ASE/	KINE4		L REFAIR
		R	/ASE/	DUMPIT		L REFAIR
		R	/ASE/	INITAM	M	L REFAIR
		R	/ASE/	INITHR		L REFAIR
		R	/ASE/	INITMS		L REFAIR
		R	/ASE/	TARANG		L REFENVMT
		R	/ASE/	INITE		L REFENVMT
		R	/ASE/	GLINT2		L REFENVMT
		R	/ASE/	WDACE		L REFENVMT
		R	/ASE/	INIT2	M	L REFSEEK
		R	/ASE/	INITS		L REFSEEK
		R	/ASE/	INT2	M	L REFSEEK
		R	/ASE/	INT4	M	L REFSEEK
		R	/ASE/	PRINT2		L REFSEEK

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
XMEAN	Rayleigh mean time between emitter pulses in microseconds.	R	/ASE/	MOD2	L_REFSEEK
		R	/ASE/	RGATE	L_REFSEEK
		R	/DCOY/	INITR	M L_REFECM
XMT	X distance from missile to target in meters.	R	/ARMKIN/	MAIN	L_REFMAIN
		R	/ARMKIN/	KINE4	M L_REFAIR
		R	/ARMKIN/	INITAM	M L_REFAIR
		R	/ARMKIN/	MISS	L_REFAIR
XREAL	Real part of the multipath factor.	R	/MPATHI/	MLTPH	M L_REFENVMT
		R	/MPATHI/	MODPLX	L_REFSEEK
		R	/MPATHI/	MODXM3	L_REFSEEK
XU	Upper limits for X array integrators.	R	/INT/	INITS	M L_REFSEEK
		R	/INT/	DISH2	L_REFSEEK
		R	/INT/	RGATE2	L_REFSEEK
XUS	Upper limits for X array integrators in search mode.	R	/INT/	INITC	M L_REFSEEK
		R	/INT/	INITS	M L_REFSEEK
		R	/INT/	INT2	L_REFSEEK
		R	/INT/	RGTRAK	L_REFSEEK
XUT	Upper limits for X array integrators in terminal mode.	R	/INT/	INITC	M L_REFSEEK
		R	/INT/	INITS	M L_REFSEEK
		R	/INT/	INT2	L_REFSEEK
Y	Two dimensional array containing correlated gaussian processes.	R	/MPBLK3/	MPINIT	M L_REFENVMT
		R	/MPBLK3/	GAUBND	M L_REFENVMT
YAW	Previous value of body yaw in radians.	R	/KINE/	KINE2	M L_REFAIR
		R	/KINE/	INITHR	M L_REFAIR
		R	/KINE/	INITMS	M L_REFAIR
YDFGAN	Yaw differential channel processing gain.	R	/CDOTPR/	DOTPR	L_REFSEEK
		R	/CDOTPR/	DOTPRI	M L_REFSEEK
YERR	Seeker yaw error signal.	R	/ASER/	DOTPR	M L_REFSEEK
YGS	Correlated gaussian process.	R	/RNDPR2/	DNINTF	M L_REFENVMT
		R	/RNDPR2/	RAPR1	M L_REFENVMT
		R	/RNDPR2/	RAPR2	M L_REFENVMT
		R	/RNDPR2/	RAPR3	M L_REFENVMT
		R	/RNDPR2/	RAPR4	M L_REFENVMT
		R	/RNDPR2/	RAPR5	M L_REFENVMT
		R	/RNDPR/	BPRPR	M L_REFENVMT
		R	/RNDPR/	CLINTF	M L_REFENVMT
		R	/RNDPR2/	INITE	M L_REFENVMT
		R	/RNDPR/	ANGER	M L_REFENVMT
YM	Missile Y position in meters.	R	/ASE/	MAIN	L_REFMAIN
		R	/ASE/	KINE4	L_REFAIR
		R	/ASE/	DUMPIT	L_REFAIR
		R	/ASE/	INITAM	M L_REFAIR
		R	/ASE/	INITE	L_REFENVMT
		R	/ASE/	GLINT2	L_REFENVMT
		R	/ASE/	WTACE	L_REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
YMT	Y distance from missile to target in meters.	R	/ASE/	INIT2	M L REFSEEK
		R	/ASE/	INT2	M L REFSEEK
		R	/ASE/	INT4	M L REFSEEK
		R	/ASE/	PRINT2	L REFSEEK
		R	/ASE/	MOD2	L REFSEEK
		R	/ASE/	RGATE	L REFSEEK
		R	/ARMKIN/	MAIN	L REFMAIN
		R	/ARMKIN/	KINE4	M L REFAIR
		R	/ARMKIN/	INITAM	M L REFAIR
YSB	Target yaw angle off boresight in degrees.	R	/ARMKIN/	MISS	L REFAIR
		R	/SKRENV/	ANGVA	M L REFENVMT
		R	/SKRENV/	MLTPTH	L REFENVMT
		R	/SKRENV/	PRINT2	L REFSEEK
		R	/SKRENV/	M3TRGV	L REFSEEK
		R	/SKRENV/	M3TRGV	L REFSEEK
		R	/SKRENV/	MOD2	M L REFSEEK
		R	/SKRENV/	MODPLX	L REFSEEK
		R	/SKRENV/	MODXM3	L REFSEEK
		R	/SKRENV/	TARGVD	L REFSEEK
		R	/SKRENV/	RGATE	M L REFSEEK
		R	/ENVMT/	GLINT2	M L REFENVMT
YSB0	Previous value of YSB in degrees.				
ZM	Missile Z position in meters.	R	/ASE/	MAIN	L REFMAIN
		R	/ASE/	MAIN	L REFMAIN
		R	/ASE/	MAIN	L REFMAIN
		R	/ASE/	AERO4	L REFAIR
		R	/ASE/	AUTO2	L REFAIR
		R	/ASE/	AUTO3	L REFAIR
		R	/ASE/	AUTO4	L REFAIR
		R	/ASE/	KINE4	L REFAIR
		R	/ASE/	DUMPIT	L REFAIR
		R	/ASE/	INITAM	M L REFAIR
		R	/ASE/	INITHR	L REFAIR
		R	/ASE/	INITMS	L REFAIR
		R	/ASE/	SCLDEN	L REFENVMT
		R	/ASE/	INITE	L REFENVMT
		R	/ASE/	GLINT2	L REFENVMT
		R	/ASE/	MLTPTH	L REFENVMT
		R	/ASE/	INIT2	M L REFSEEK
		R	/ASE/	INITS	L REFSEEK
		R	/ASE/	INT2	M L REFSEEK
		R	/ASE/	INT4	M L REFSEEK
		R	/ASE/	MOD2	L REFSEEK
		R	/ASE/	RGATE	L REFSEEK
		R	/MPATHI/	PAYLOD	M L REFECM
		R	/MPATHI/	INITE	M L REFENVMT
		R	/MPATHI/	MLTPTH	M L REFENVMT
ZMT	Z distance from missile to target in meters.	R	/ARMKIN/	KINE4	M L REFAIR
		R	/ARMKIN/	INITAM	M L REFAIR
		R	/ARMKIN/	MISS	L REFAIR

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary

Symbol	Description	T	Common	Routine	L	File
ACON	Constant part of one-way range equation: $300 \cdot \lambda LMDA^{**2} / \pi 4^{**2}$	R	/SKRENV/	INITS	M	L COMVID
		R	/SKRENV/	AVGDAT		L CONTRL
		R	/SKRENV/	SETUP		L CONTRL
		R	/SKRENV/	MODPLX		L COSRO
ACTCON	Square root of the constant part of one-way range equation.	R	/APCONS/	AVGDAT		L CONTRL
		R	/APCONS/	SETUP		L CONTRL
		R	/APCONS/	MODXM3		L MONO
		R	/APCONS/	M3TRGI	M	L REFSEEK
AE	Work vector for scintillation model.	R	/MCSAS/	INITE	M	L CORE
		R	/MCSAS/	AMERCS	M	L REFENVM
AERR	Azimuth error signal in degrees/second.	R	/PARAM/	INITS	M	L COMVID
		R	/PARAM/	DISH2	M	L REFSEEK
		R	/PARAM/	DISHM	M	L REFSEEK
AGCCON	Natural logarithm of 10.	R	/AGC/	INITS	M	L COMVID
		R	/AGC/	AGC2		L REFSEEK
AI	Work vector for scintillation model.	R	/MCSAS/	INITE	M	L CORE
		R	/MCSAS/	AMERCS	M	L REFENVM
ALPH	Missile angle of attack in degrees.	R	/AIRSKR/	INITS		L COMVID
		R	/AIRSKR/	AERO2		L REFAIR
		R	/AIRSKR/	AERO3		L REFAIR
		R	/AIRSKR/	INITHR	M	L REFAIR
		R	/AIRSKR/	INITMS	M	L REFAIR
		R	/AIRSKR/	KINE2		L REFAIR
		R	/AIRSKR/	INT2	M	L REFSEEK
ALTMC	Midcourse altimeter setting in meters.	R	/AUTO/	AUTO3		L AIR
		R	/AUTO/	AUTO2		L REFAIR
		R	/AUTO/	INITHR	M	L REFAIR
		R	/AUTO/	INITMS	M	L REFAIR
ANGPSI	Previous value of PSISPC; used in ANGST.	R	/MPBLK6/	MPINIT	M	L REFENVM
		R	/MPBLK6/	ANGST	M	L REFENVM
ANTAZ	Azimuth angle for which interpolation is to be done in degrees.	R	/INTERP/	MODXM3	M	L MONO
		R	/INTERP/	MLTPTH	M	L REFENVM
		R	/INTERP/	ANTI2	M	L REFSEEK
		R	/INTERP/	ANTNA2		L REFSEEK
ANTEL	Elevation angle for which interpolation is to be done in degrees.	R	/INTERP/	MODXM3	M	L MONO
		R	/INTERP/	MLTPTH	M	L REFENVM
		R	/INTERP/	ANTI2	M	L REFSEEK
		R	/INTERP/	ANTNA2		L REFSEEK
APAT	Decoy azimuth antenna pattern array.	R	/DCOY/	INITS	M	L COMVID
		R	/DCOY/	AZPAT		L REFECM
ASP	Previous value of aspect angle in degrees.	R	/SCINT/	INITD	M	L CORE
		R	/SCINT/	INITE	M	L CORE
		R	/SCINT/	TARANG	M	L REFENVM
AUTOGN	Gain for PSID feedback circuit. See also APPENDIX D.	R	/AUTO/	AUTO3		L AIR
		R	/AUTO/	INITHR	M	L REFAIR
		R	/AUTO/	INITMS	M	L REFAIR

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
AUTOL	Lower limits for PSID, THTD, DELP, or DELY. See also APPENDIX D.	R	/AUTO/	INITHR M	L_REFAIR
		R	/AUTO/	INITMS M	L_REFAIR
		R	/AUTO/	INT2	L_REFSEEK
AUTOU	Upper limits for PSID, THTD, DELP, or DELY. See also APPENDIX D.	R	/AUTO/	INITHR M	L_REFAIR
		R	/AUTO/	INITMS M	L_REFAIR
		R	/AUTO/	INT2	L_REFSEEK
AUX2	Equivalenced to "YERR" (yaw error signal).	R	/ASYER/	DISHM M	L_REFSEEK
AUX3	Seeker pitch error signal (before filtering).	R	/CDOTPR/	DOTPR M	L_REFSEEK
AVRUF	Sea roughness accumulator.	R	/VTEST1/	AVGDAT M	L_CONTRL
		R	/VTEST1/	HEADER2	L_CORE
AZ	Angle of threat off decoy boresight in azimuth degrees.	R	/DCOY/	ECMPAT M	L_ECM
AZDIFI	Azimuth difference pattern (imaginary part).	I	/PATRN4/	ANTI2	L_REFSEEK
		I	/PATRN4/	ANTNA2	L_REFSEEK
AZDIFR	Azimuth difference pattern (real part).	I	/PATRN3/	ANTI2	L_REFSEEK
		I	/PATRN3/	ANTNA2	L_REFSEEK
BCON	Part of range equation: $550 \cdot \text{XLM} \cdot \text{DA}^2 / \text{PI} \cdot 4^2$	R	/VCORE/	INITS M	L_COMVID
		R	/VCORE/	ECMAMP	L_ECM
BETA	Missile sideslip angle in degrees.	R	/AIRSKR/	PLOTIT	L_LOCAL
		R	/AIRSKR/	AERO2	L_REFAIR
		R	/AIRSKR/	AERO3	L_REFAIR
		R	/AIRSKR/	INITHR M	L_REFAIR
		R	/AIRSKR/	INITMS M	L_REFAIR
		R	/AIRSKR/	KINE2	L_REFAIR
		R	/AIRSKR/	INT2	M L_REFSEEK
BLOCKR	Array which holds the "signature" parameters for run.	I	/SIGNAT/	MAIN M	L_LOCAL
		I	/SIGNAT/	PLOTIT	L_LOCAL
		I	/SIGNAT/	ASSESS	L_CONTRL
		I	/SIGNAT/	RESTRT	L_CONTRL
		I	/SIGNAT/	SUMMRY	L_CONTRL
		I	/SIGNAT/	HEADER1	L_CORE
BNDWTH	Bandwidth of the "pass-band" in radians/second.	R	/MPBLK5/	MPINIT M	L_REFENVM
		R	/MPBLK5/	MPMAIN M	L_REFENVM
BSGAIN	Boresight antenna gain (voltage gain).	R	/CBSGAN/	AVGDAT	L_CONTRL
		R	/CBSGAN/	SETUP	L_CONTRL
		R	/CBSGAN/	ECMAMP	L_ECM
		R	/CBSGAN/	MODXM3	L_MONO
		R	/CBSGAN/	ANTI	M L_REFSEEK
		R	/CBSGAN/	ANTI2	M L_REFSEEK
CKTM	Multiplier to convert knots to meters/second.	R	/CONST/	SETUP	L_CONTRL
		R	/CONST/	INITR	L_CORE
		R	/CONST/	INITC M	L_CORE
		R	/CONST/	INITE	L_CORE
		R	/CONST/	DECOY	L_REFTGT

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
CLSVEL	Closing velocity. Will be needed for "moving multipath".	R	/CONST/	SHIP	L_REFTGT
		R	/MPATHI/	SETUP	L_CONTRL
		R	/MPATHI/	INITE	M L_CORE
CNTRFQ	RF spectrum center frequency in radians/second.	R	/MPBLK5/	MPINIT	M L_REFENVM
		R	/MPBLK5/	MPMAIN	L_REFENVM
COELEV	Elevation angle coefficient array.	R	/BARAS/	INITE	M L_CORE
		R	/BARAS/	ELSTR	L_REFENVM
COSPSI	Previous value of cosine of PSISPC; used in SIGTST.	R	/MPBLK6/	MPINIT	M L_REFENVM
		R	/MPBLK6/	SIGTST	M L_REFENVM
CPTCH	Previous value of cosine of pitch.	R	/KINE/	INITHR	M L_REFAIR
		R	/KINE/	INITMS	M L_REFAIR
		R	/KINE/	KINE2	M L_REFAIR
CRTD	Multiplier to convert radians to degrees.	R	/CONST/	RGATE	L_COMVID
		R	/CONST/	SETUP	L_CONTRL
		R	/CONST/	INITC	M L_CORE
		R	/CONST/	INITE	L_CORE
		R	/CONST/	PLOTIT	L_CORE
		R	/CONST/	KINE2	L_REFAIR
		R	/CONST/	AMERCS	L_REFENVM
		R	/CONST/	SWITAN	L_REFENVM
		R	/CONST/	TARANG	L_REFENVM
		R	/CONST/	TCORSC	L_REFENVM
		R	/CONST/	MLTPTH	L_REFENVM
		R	/CONST/	SCAN2	L_REFSEEK
		R	/CONST/	INT2	L_REFSEEK
		R	/CONST/	DECOY	L_REFTGT
		R	/CONST/	SHIP	L_REFTGT
CSCAN	Cosine of beam scanner angle.	R	/SCAN/	MODPLX	L_COSRO
		R	/SCAN/	MLTPTH	L_REFENVM
		R	/SCAN/	SCAN2	M L_REFSEEK
		R	/SCAN/	DEM0D2	L_REFSEEK
CURLOC	Current location.	I	/MNLK/	MNLCKI	M L_MONO
		I	/MNLK/	MNLOCK	M L_REFSEEK
CYAW	Previous value of cosine of yaw.	R	/KINE/	INITHR	M L_REFAIR
		R	/KINE/	INITMS	M L_REFAIR
		R	/KINE/	KINE2	M L_REFAIR
DIALPH	Angle of attack rate in degrees/second.	R	/AERO/	AERO2	M L_REFAIR
		R	/AERO/	AERO3	M L_REFAIR
		R	/AERO/	INITHR	M L_REFAIR
		R	/AERO/	INITMS	M L_REFAIR
		R	/AERO/	INT2	L_REFSEEK
DIBETA	Sideslip rate in degrees/second.	R	/AERO/	AERO2	M L_REFAIR
		R	/AERO/	AERO3	M L_REFAIR
		R	/AERO/	INITHR	M L_REFAIR
		R	/AERO/	INITMS	M L_REFAIR
		R	/AERO/	INT2	L_REFSEEK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - EOMAPP Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L	File
DIDELP Elevator rate in degrees/second.	R	/AUTO/	AUTO3	M	L_AIR
	R	/AUTO/	AUTO2	M	L_REPAIR
	R	/AUTO/	INITHR	M	L_REPAIR
	R	/AUTO/	INITMS	M	L_REPAIR
	R	/AUTO/	INT2		L_REFSEEK
DIDELY Rudder rate in degrees/second.	R	/AUTO/	AUTO3	M	L_AIR
	R	/AUTO/	AUTO2	M	L_REPAIR
	R	/AUTO/	INITHR	M	L_REPAIR
	R	/AUTO/	INITMS	M	L_REPAIR
	R	/AUTO/	INT2		L_REFSEEK
DIPINT Pitch integrator input in degrees/second.	R	/AUTO/	AUTO3	M	L_AIR
	R	/AUTO/	AUTO2	M	L_REPAIR
	R	/AUTO/	INITHR	M	L_REPAIR
	R	/AUTO/	INITMS	M	L_REPAIR
	R	/AUTO/	INT2		L_REFSEEK
DIPSI Yaw rate in degrees/second.	R	/AERO/	AUTO3		L_AIR
	R	/AERO/	AERO2		L_REPAIR
	R	/AERO/	AERO3		L_REPAIR
	R	/AERO/	AUTO2		L_REPAIR
	R	/AERO/	INITHR	M	L_REPAIR
	R	/AERO/	INITMS	M	L_REPAIR
	R	/AERO/	INT2	M	L_REFSEEK
DIPSID Yaw base servo input in degrees/second.	R	/AUTO/	AUTO3	M	L_AIR
	R	/AUTO/	AUTO2	M	L_REPAIR
	R	/AUTO/	INITHR	M	L_REPAIR
	R	/AUTO/	INITMS	M	L_REPAIR
	R	/AUTO/	INT2		L_REFSEEK
DIRALT Rate altimeter input in meters/second.	R	/AUTO/	AUTO3	M	L_AIR
	R	/AUTO/	AUTO2	M	L_REPAIR
	R	/AUTO/	INITHR	M	L_REPAIR
	R	/AUTO/	INITMS	M	L_REPAIR
	R	/AUTO/	INT2		L_REFSEEK
DITHET Missile pitch rate in degrees/second.	R	/AERO/	AUTO3		L_AIR
	R	/AERO/	AERO2		L_REPAIR
	R	/AERO/	AERO3		L_REPAIR
	R	/AERO/	AUTO2		L_REPAIR
	R	/AERO/	INITHR	M	L_REPAIR
	R	/AERO/	INITMS	M	L_REPAIR
	R	/AERO/	INT2	M	L_REFSEEK
DITHTD Pitch base servo input in degrees/second.	R	/AUTO/	AUTO3	M	L_AIR
	R	/AUTO/	AUTO2	M	L_REPAIR
	R	/AUTO/	INITHR	M	L_REPAIR
	R	/AUTO/	INITMS	M	L_REPAIR
	R	/AUTO/	INT2		L_REFSEEK
DITHTL Yaw level gyro rate in degrees/second.	R	/AUTO/	AUTO3	M	L_AIR
	R	/AUTO/	AUTO2	M	L_REPAIR

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
		R	/AUTO/	INITHR	M	L REPAIR
		R	/AUTO/	INITMS	M	L REPAIR
		R	/AUTO/	INT2		L REFSEEK
DZPSI	Missile yaw acceleration in degrees/ second**2.	R	/AERO/	AERO2	M	L REPAIR
		R	/AERO/	AERO3	M	L REPAIR
		R	/AERO/	INITHR	M	L REPAIR
		R	/AERO/	INITMS	M	L REPAIR
		R	/AERO/	INT2		L REFSEEK
DZTHET	Missile pitch acceleration in degrees/ second**2.	R	/AERO/	AERO2	M	L REPAIR
		R	/AERO/	AERO3	M	L REPAIR
		R	/AERO/	INITHR	M	L REPAIR
		R	/AERO/	INITMS	M	L REPAIR
		R	/AERO/	INT2		L REFSEEK
DAPT	Antenna azimuth difference pattern.	I	/PATSYM/	ANTI	M	L REFSEEK
DAZTMP	Equivalenced to "CVDQAZ".	R	/CV/	DOTFR		L REFSEEK
DECTON	Decoy turn on time in seconds after launch.	R	/PARAM/	INIT2	M	L CORE
		R	/PARAM/	DECOY		L REFTGT
DELASP	Delta aspect angle in degrees.	R	/SCINT/	INITE	M	L CORE
		R	/SCINT/	TARANG		L REFENVMT
DELP	Elevator angle in degrees.	R	/AERO/	PLOTTT		L LOCAL
		R	/AERO/	AUTO3		L AIR
		R	/AERO/	AERO2		L REPAIR
		R	/AERO/	AERO3		L REPAIR
		R	/AERO/	AUTO2		L REPAIR
		R	/AERO/	INITHR	M	L REPAIR
		R	/AERO/	INITMS	M	L REPAIR
		R	/AERO/	INT2	M	L REFSEEK
DELPSI	Azimuth pattern stepsize in degrees.	R	/INTERP/	ANTI2	M	L REFSEEK
		R	/INTERP/	ANTNA2		L REFSEEK
DELR	Peak magnitude difference at port and starboard. (db/m**2)	R	/MCSAS/	DECHO		L ASCINT
		R	/MCSAS/	INITE	M	L CORE
		R	/MCSAS/	AMERCS		L REFENVMT
DELTHE	Elevation pattern stepsize in degrees.	R	/INTERP/	ANTI2	M	L REFSEEK
		R	/INTERP/	ANTNA2		L REFSEEK
DELTIM	Model integration interval in seconds.	R	/ASE/	SETUP		L CONTRL
		R	/ASE/	INITC	M	L CORE
		R	/ASE/	INITE		L CORE
		R	/ASE/	PLOTTT		L CORE
		R	/ASE/	RCO		L REFENVMT
		R	/ASE/	TARANG		L REFENVMT
		R	/ASE/	INT2		L REFSEEK
		R	/ASE/	LOCK2		L REFSEEK
		R	/ASE/	MNLOCK		L REFSEEK
DELTMP	Equivalenced to "CVDQEL".	R	/CV/	DOTFR		L REFSEEK
DELY	Rudder angle in degrees.	R	/AERO/	PLOTTT		L LOCAL
		R	/AERO/	AUTO3		L AIR

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECHAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/AERO/	AERO2	L_REPAIR
		R	/AERO/	AERO3	L_REPAIR
		R	/AERO/	AUTO2	L_REPAIR
		R	/AERO/	INITH M	L_REPAIR
		R	/AERO/	INITMS M	L_REPAIR
		R	/AERO/	INT2 M	L_REFSEEK
DEPT	Antenna elevation difference pattern.	I	/PATSYM/	ANTI M	L_REFSEEK
DIFAI	Imaginary part of azimuth difference pattern (Ohio State).	R	/INTOUT/	MODM3	L_MONO
		R	/INTOUT/	ANTNA M	L_REFSEEK
		R	/INTOUT/	ANTNA2 M	L_REFSEEK
DIFAR	Real part of azimuth difference pattern (Ohio State).	R	/INTOUT/	MODM3	L_MONO
		R	/INTOUT/	ANTNA M	L_REFSEEK
		R	/INTOUT/	ANTNA2 M	L_REFSEEK
DIFARR	Equivalence of azimuth difference pattern array (Ohio State).	I	/PATSYM/	ANTNA	L_REFSEEK
DIFEI	Imaginary part of elevation difference pattern (Ohio State).	R	/INTOUT/	MODM3	L_MONO
		R	/INTOUT/	ANTNA M	L_REFSEEK
		R	/INTOUT/	ANTNA2 M	L_REFSEEK
DIFER	Real part of elevation difference pattern (Ohio State).	R	/INTOUT/	MODM3	L_MONO
		R	/INTOUT/	ANTNA M	L_REFSEEK
		R	/INTOUT/	ANTNA2 M	L_REFSEEK
DIFERR	Equivalence of elevation difference pattern array (Ohio State).	I	/PATSYM/	ANTNA	L_REFSEEK
DIST	Miss distance in meters.	R	/SKR/	RGATE M	L_COMVID
		R	/SKR/	INITC M	L_CORE
DMX	Missile X directional derivative in meters/second.	R	/KINE/	KINE2 M	L_REPAIR
		R	/KINE/	INT2	L_REFSEEK
DMY	Missile Y directional derivative in meters/second.	R	/KINE/	KINE2 M	L_REPAIR
		R	/KINE/	INT2	L_REFSEEK
DMZ	Missile Z directional derivative in meters/second.	R	/KINE/	AUTO3	L_AIR
		R	/KINE/	AUTO2	L_REPAIR
		R	/KINE/	KINE2 M	L_REPAIR
		H	/KINE/	INT2	L_REFSEEK
DRATIO	Specular-to-direct gain ratio.	R	/MEATHI/	MLTPH M	L_REPENMT
DRCO	Correlation filter coefficient.	R	/RNDPR2/	INITE M	L_CORE
		R	/RNDPR2/	RAPR1	L_REPENMT
		R	/RNDPR2/	RAPR2	L_REPENMT
		R	/RNDPR2/	RAPR3	L_REPENMT
		R	/RNDPR2/	RAPR4	L_REPENMT
		R	/RNDPR2/	RCO M	L_REPENMT
DRCOM	Correlation filter coefficients.	R	/BARAS/	INITE M	L_CORE
		R	/BARAS/	RAPR5	L_REPENMT
		R	/BARAS/	RCO M	L_REPENMT
DRCOQ	Correlation filter coefficients.	R	/BARAS/	INITE M	L_CORE
		R	/BARAS/	RAPR5	L_REPENMT
		R	/BARAS/	RCO M	L_REPENMT

NOTES: *M* column indicates variable is modified.
 T column heading indicates type attribute.

APPENDIX B - EDWAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
DT	Simulation step size in seconds.	R	/MPSLK1/	MPINIT	M L REPDVANT
		H	/MPSLK1/	GAUBND	L REPDVANT
DTL	Platform motion update time increment in seconds.	R	/VCORE/	INITP	M L REPBON
		R	/VCORE/	CHAPP	L REPTOT
		R	/VCORE/	DECOY	L REPTOT
		R	/VCORE/	SHIP	L REPTOT
DTTEST	Range gate decision time with respect to launch time.	R	/VTEST1/	AVGDAT	L CONTRL
		R	/VTEST1/	SETUP	M L CONTRL
		R	/VTEST1/	HEDER1	L CORE
DUTY	Decoy duty cycle in percent.	R	/DCOY/	PLUTIT	M L LOCAL
		R	/DCOY/	PLOTIT	M L CORE
DX	DX integration array.	R	/INT/	INITS	M L CONVID
		R	/INT/	RGATE	M L CONVID
		R	/INT/	RGTRAK	M L CONVID
		R	/INT/	CONTRL	M L CONTRL
		R	/INT/	INITC	M L CORE
		R	/INT/	PLOTTT	L CORE
		R	/INT/	ACC2	M L REPSECK
		R	/INT/	INT2	L REPSECK
		R	/INT/	DEM0D2	M L REPSECK
		R	/INT/	DOTPR	M L REPSECK
		R	/INT/	DISH2	M L REPSECK
		R	/INT/	DISH4	M L REPSECK
		R	/INT/	LOCK2	M L REPSECK
		R	/INT/	MLOCK	M L REPSECK
EL	Angle of threat off decoy boresight in elevation degrees.	R	/DCOY/	BONPAT	M L BON
ELA	Decoy elevation angle at launch in degrees.	R	/DCOY/	INITD	M L CORE
		R	/DCOY/	BONPAT	L BON
ELDIFI	Elevation difference pattern (imaginary part).	I	/PATRN6/	ANT12	L REPSECK
		I	/PATRN6/	ANTN2	L REPSECK
ELDIFR	Elevation difference pattern (real part).	I	/PATRN5/	ANT12	L REPSECK
		I	/PATRN5/	ANTN2	L REPSECK
EMSQ	Ratio of steady return to average random power.	R	/BARAS/	INITE	M L CORE
		R	/BARAS/	PRATIO	L REPDVANT
EPAT	Decoy elevation antenna pattern array.	R	/DCOY/	INITS	M L CONVID
		R	/DCOY/	ELPAT	L REPBON
EPS	Aspect angle where peak begins in degrees.	R	/MCSAS/	DECHO	L ASC DIT
		R	/MCSAS/	INITE	M L CORE
		R	/MCSAS/	AMERCS	L REPDVANT
FACDZ	Monopulse pattern normalizing factor. Dimensionless.	R	/INTOUT/	MODM3	L MONO
		R	/INTOUT/	ANT1	M L REPSECK
		R	/INTOUT/	ANT12	M L REPSECK
FACDEL	Monopulse pattern normalizing factor. Dimensionless.	R	/INTOUT/	MODM3	L MONO
		R	/INTOUT/	ANT1	M L REPSECK
		R	/INTOUT/	ANT12	M L REPSECK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - EDAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
PACSUM	Normalization constant for sum channel antenna gain. Dimensionless.	R	/INTOUT/	MODM3	L MONO
		R	/INTOUT/	ANT1	N L REPSEEX
		R	/INTOUT/	ANT12	N L REPSEEX
PI	Elevation argument for antenna interpolation routine in degrees.	R	/INTSV/	MODM3	N L MONO
		R	/INTSV/	ANT1	N L REPSEEX
		R	/INTSV/	ANT12	N L REPSEEX
FLAT	Flat earth approximation flag. (T=Flat, F=Not valid)	L	/HBLK1/	NPINIT	N L REPENDANT
		L	/HBLK1/	NGCON	N L REPENDANT
PRCMT	Multipath bandpass center frequency in hertz.	R	/HPATH1/	HEADER	L CORE
G	G array. Contains gain constants, etc. See also APPENDIX D.	R	/PARAM/	INIT5	N L CONVID
		R	/PARAM/	HEADER2	N L CORE
		R	/PARAM/	INITC	N L CORE
		R	/PARAM/	DENOD2	N L REPSEEX
		R	/PARAM/	DOTPR	N L REPSEEX
		R	/PARAM/	DISH2	L REPSEEX
		R	/PARAM/	DISHN	L REPSEEX
		R	/PARAM/	LOCK2	L REPSEEX
		R	/PARAM/	MMLOCK	L REPSEEX
GAINR	Threat normalized receive gain.	R	/SIR/	PLOTIT	L LOCAL
		R	/SIR/	INITE	N L CORE
		R	/SIR/	PLOTIT	L CORE
		R	/SIR/	MODPLX	N L COSRO
		R	/SIR/	MODM3	N L MONO
		R	/SIR/	MLTPH	L REPENDANT
GAINI	Threat normalized transmit gain.	R	/SIR/	PLOTIT	L LOCAL
		R	/SIR/	INITE	N L CORE
		R	/SIR/	PLOTIT	L CORE
		R	/SIR/	MODPLX	N L COSRO
		R	/SIR/	EDAPP	L ED
		R	/SIR/	MODM3	N L MONO
		R	/SIR/	MLTPH	L REPENDANT
GAME	Work vector for scintillation model.	R	/NCSAS/	INITE	N L CORE
		R	/NCSAS/	AMERCS	N L REPENDANT
GARI	Work vector for scintillation model.	R	/NCSAS/	INITE	N L CORE
		R	/NCSAS/	AMERCS	N L REPENDANT
GC	AOC signal gain constant.	R	/AOC/	INIT5	N L CONVID
		R	/AOC/	MODPLX	L COSRO
		R	/AOC/	MODM3	L MONO
		R	/AOC/	AOC2	N L REPSEEX
GPEAK	Decoy antenna peak gain in db.	R	/DCOY/	INIT5	N L CONVID
		R	/DCOY/	SETUP	L CONTRL
		R	/DCOY/	SCMPAT	L ED
GR	Decoy antenna gain in threat direction in db.	R	/DCOY/	SCMPAT	N L ED
		R	/DCOY/	EDAPP	N L ED
GRNORG	Ground range from target to missile	R	/HPATH1/	NGATE	N L CONVID

NOTES: *M* column indicates variable is modified.

T column heading indicates type attribute.

APPENDIX B - CHAFF Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
	in meters.	R	/MPATHI/	INITE	4	L CORE
GRSP	Threat receive gain at the specular point.	R	/MPATHI/	MLTPTH		L REFENVM
GTMS	Multiplier to convert "g"s to meters per second**2.	R	/CONST/	INITR		L CORE
GTSP	Threat transmit gain at the specular point.	R	/MPATHI/	MLTPTH	4	L REFENVM
HEADID	Alphanumeric array for header ID.	D	/LOGCOM/	SNLOG	M	L CONTRL
HELEV	Ship's hull height above water line in meters.	R	/BARAS/	INITE	M	L CORE
HITCNT	Hit count.	R	/BARAS/	ELSTR		L REFENVM
		I	/MNLK/	MNLCKI	M	L MONO
		I	/MNLK/	MNLOCK	M	L REFSEEK
IBOW	Flag. 1 indicates bow depression.	I	/BARAS/	INITE	M	L CORE
		I	/BARAS/	AMERCS		L REFENVM
ICHANG	Flag. 1 indicates change in aspect greater than T(35).	I	/DISTYP/	INITE	M	L CORE
		I	/DISTYP/	MIXPR		L REFENVM
		I	/DISTYP/	SCINT2		L REFENVM
		I	/DISTYP/	TARANG	M	L REFENVM
IDPLOY	Target deployment Flag. See also APPENDIX D.	I	/VCORE/	RGATE		L COMVID
		I	/VCORE/	AVGDAT		L CONTRL
		I	/VCORE/	PLOTIT		L CORE
		I	/VCORE/	MODPLX		L COSRO
		I	/VCORE/	MODM3		L MONO
		I	/VCORE/	INITP	M	L REFECM
		I	/VCORE/	ABOARD	M	L REFTGT
		I	/VCORE/	CHAFF	M	L REFTGT
		I	/VCORE/	DECOY	M	L REFTGT
IFFAIR	Flag. 1 disables autopilot and aerodynamics.	I	/AIRSR/	AUTO3		L AIR
		I	/AIRSR/	INITC	M	L CORE
		I	/AIRSR/	AERO2		L REFAIR
		I	/AIRSR/	AERO3		L REFAIR
		I	/AIRSR/	AUTO2		L REFAIR
		I	/AIRSR/	DISH2		L REFSEEK
		I	/AIRSR/	DISHM		L REFSEEK
IFFALT	Flag. 1 disables altimeters (terminal mode).	I	/AIRSR/	AUTO3	M	L AIR
		I	/AIRSR/	INITC	M	L CORE
		I	/AIRSR/	AUTO2	M	L REFAIR
		I	/AIRSR/	INT2		L REFSEEK
		I	/AIRSR/	DISH2		L REFSEEK
		I	/AIRSR/	DISHM		L REFSEEK
IPPANT	Flag. Selects threat antenna: 1=Cosro, 2=APQ-112, 3=Ohio State.	I	/AIRSR/	INIT2	M	L CORE
		I	/AIRSR/	MLTPTH		L REFENVM
		I	/AIRSR/	INITM		L REFSEEK
IPPATP	Flag. Selects airframe type: 0=MSE; 1=HFB light; 2=HFB heavy; 3=ARM.	I	/AIRSR/	AIR		L AIR
		I	/AIRSR/	INITC	M	L CORE

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX B - EOMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
IFFBTH	Flag. Selects threat type: 1=Baseline. 2=Typical. 3=Hardened.	I	/AIRSNR/	INITA	L REPAIR
		I	/DCOY/	MAIN	L LOCAL
		I	/DCOY/	PLOTIT	L LOCAL
		I	/DCOY/	AUTO3	L AIR
		I	/DCOY/	COMPVD	L COMVID
		I	/DCOY/	INITS	L COMVID
		I	/DCOY/	RGATE1	L COMVID
		I	/DCOY/	RGTRAK	L COMVID
		I	/DCOY/	AVGDAT	L CONTRL
		I	/DCOY/	SETUP	L CONTRL
		I	/DCOY/	HEADER1	L CORE
		I	/DCOY/	INIT2	M L CORE
		I	/DCOY/	INITC	L CORE
		I	/DCOY/	BOMAMP	L BOM
IFFCHP	Flag. 1 switches on demodulator chopper outputs.	I	/DCOY/	MODM3	L MONO
		I	/AIRSNR/	INITC	M L CORE
		I	/AIRSNR/	DEM0D2	M L REFSEEK
IFFDCP	Flag. 1 switches on pitch demodulator chopper.	I	/AIRSNR/	DOTFR	M L REFSEEK
		I	/AIRSNR/	INITC	M L CORE
		I	/AIRSNR/	DEM0D2	M L REFSEEK
IFFDCY	Flag. 1 switches on yaw demodulator chopper.	I	/AIRSNR/	INITC	M L CORE
		I	/AIRSNR/	DEM0D2	M L REFSEEK
IFFDUP	Flag. 1 indicates completion of dish pitch-up.	I	/AIRSNR/	INITC	M L CORE
		I	/AIRSNR/	DISH2	M L REFSEEK
		I	/AIRSNR/	DISHM	M L REFSEEK
IFFGLT	Flag. 1 enables simulation of glint.	I	/AIRSNR/	INITC	M L CORE
IFFLGY	Flag. 1 uncages lead gyro.	I	/AIRSNR/	AUTO3	L AIR
		I	/AIRSNR/	INITC	M L CORE
		I	/AIRSNR/	AUTO2	L REPAIR
		I	/AIRSNR/	DISH2	M L REFSEEK
		I	/AIRSNR/	DISHM	M L REFSEEK
		I	/AIRSNR/	RGATE	M L COMVID
IFFRGT	Flag. 1 bypasses prediction gate 2.5 seconds after seeker turn-on.	I	/AIRSNR/	INITC	M L CORE
		I	/AIRSNR/	AUTO3	L AIR
		I	/AIRSNR/	INITC	M L CORE
IFFRAT	Flag. G rate. 0=MSE. (others HFB) 1=2P2Y, 2=3P3Y, 3=3P5Y, 4=3P9Y.	I	/AIRSNR/	INITA	L REPAIR
		I	/AIRSNR/	INITR	L REPAIR
		I	/AIRSNR/	MAIN	M L LOCAL
		I	/AIRSNR/	RGTRAK	L COMVID
IFFTRM	Flag. 1 indicates seeker activation.	I	/AIRSNR/	INITC	M L CORE
		I	/AIRSNR/	DISH2	L REFSEEK
		I	/AIRSNR/	DISHM	L REFSEEK
		I	/AIRSNR/	INITC	M L CORE
IFTC	Flag. 1 bypasses first time thru path in subroutine AMERCS.	I	/MCSAS/	INITE	M L CORE
		I	/MCSAS/	AMERCS	M L REFENVMT
IMODEL	Model identifier suffix.	I	/LOGCON/	SNLOG	L CONTRL
INGATE	Target in range gate flag. 0=Not in	I	/RGAT/	RGATE	M L COMVID

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECHAF Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	gate, 1=In gate.				
INTBIN	Array of integer bins to save data for restart.	I	/VTEST1/	ASSESS	L_CONTRL
		I	/VTEST1/	RESTRT	M L_CONTRL
IPLAT	Target platform identifier. 0=Skip, 1=Ship, 2=Decoy, 3=Chaff.	I	/VCORE/	INIT2	M L_CORE
		I	/VCORE/	INITP	M L_REFENVT
		I	/VCORE/	SCINT2	L_REFENVT
		I	/VCORE/	TARGET	L_REFENVT
IPOL	Polarization of incident wave; 1=V, 2=H.	I	/MPATH1/	SETUP	L_CONTRL
		I	/MPATH1/	INITE	M L_CORE
IRG	Density type. 1=Chi Sq, 2=Rayleigh, 3=Lognormal, 4=Rice, 5=Mixed.	I	/DISTYP/	DECHO	L_ASCINT
		I	/DISTYP/	INITE	M L_CORE
		I	/DISTYP/	DNINTF	L_REFENVT
		I	/DISTYP/	MIXPR	L_REFENVT
		I	/DISTYP/	MNTOMD	L_REFENVT
		I	/DISTYP/	PRATIO	L_REFENVT
		I	/DISTYP/	RCO	L_REFENVT
		I	/DISTYP/	SCINT2	L_REFENVT
		I	/DISTYP/	TARDEN	M L_REFENVT
IRPT	Pulse counter.	I	/PRINT/	PLOTIT	M L_LOCAL
		I	/PRINT/	INITD	M L_CORE
		I	/PRINT/	PLOTIT	M L_CORE
IRUN	Overnight run number (for different seeds.)	I	/PRINT/	MAIN	M L_LOCAL
		I	/PRINT/	DECHO	L_ASCINT
		I	/PRINT/	INIT5	L_COMVID
		I	/PRINT/	ASSESS	L_CONTRL
		I	/PRINT/	MEMO	L_CONTRL
		I	/PRINT/	RESTRT	M L_CONTRL
		I	/PRINT/	TIMER	L_CONTRL
		I	/PRINT/	HEADER1	L_CORE
		I	/PRINT/	HEADER2	L_CORE
		I	/PRINT/	INIT2	L_CORE
		I	/PRINT/	INITE	L_CORE
		I	/PRINT/	TCORSC	L_REFENVT
ISCINT	Indicates probability density type. See also APPENDIX D.	I	/BARAS/	INITE	M L_CORE
		I	/BARAS/	MIXPR	L_REFENVT
		I	/BARAS/	MNTOMD	L_REFENVT
		I	/BARAS/	RAFR5	L_REFENVT
		I	/BARAS/	RCO	L_REFENVT
		I	/BARAS/	SWTAN	L_REFENVT
		I	/BARAS/	TARDEN	L_REFENVT
ISEED1	Random seed.	J	/MPBLK3/	MPINIT	M L_REFENVT
		J	/MPBLK3/	GAUBND	L_REFENVT
ISEED2	Random seed.	J	/MPBLK3/	MPINIT	M L_REFENVT
		J	/MPBLK3/	GAUBND	L_REFENVT
ISEEDA	1st seed. Will be required by multipath simulation.	J	/MPATH1/	SETUP	L_CONTRL
		J	/MPATH1/	INITE	L_CORE

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
ISEEDB	2nd seed. Will be required by multipath simulation.	J	/MPATHI/	SETUP	L	CONTRL
ISSET	Index for outermost loop of driver program.	J	/MPATHI/	INITE	L	CORE
		I	/PRINT/	MAIN	M	L_LOCAL
		I	/PRINT/	DECHO	L	ASCINT
		I	/PRINT/	ASSESS	L	CONTRL
		I	/PRINT/	MEMO	L	CONTRL
		I	/PRINT/	RESTRT	M	L_CONTRL
		I	/PRINT/	SUMMRY	L	CONTRL
		I	/PRINT/	TIMER	L	CONTRL
		I	/PRINT/	HEADER1	L	CORE
		I	/PRINT/	INIT2	L	CORE
ISKIP	Flag. 0 bypasses unused targets.	I	/DCOY/	RGATE	L	COMVID
		I	/DCOY/	CONTRL	L	CONTRL
		I	/DCOY/	INTR	L	CORE
		I	/DCOY/	INIT2	M	L_CORE
		I	/DCOY/	INITP	L	REFECM
		I	/DCOY/	SCINT2	L	REFENVM
		I	/DCOY/	CHAFF	M	L_REFTGT
		I	/DCOY/	DECOY	M	L_REFTGT
ISNAED	Serial number of the present run (0 if not logged).	I	/LOGCOM/	SNLOG	M	L_CONTRL
ISUM	Intermediate calculation in PRINT2 subroutine.	I	/DCOY/	INITD	M	L_CORE
		I	/DCOY/	PLOTIT	M	L_CORE
LASTN	Size of last lock-logic shift register.	I	/MNLK/	MNLCKI	M	L_MONO
		I	/MNLK/	MNLOCK	M	L_REFSEEK
LBLOCK	Dummy buffer for logical flags.	L	/LFLAG2/	INIT2	M	L_CORE
LCLUTR	Flag. T enables clutter simulation. Read in INIT2.	L	/LFLAG2/	INITE	L	CORE
LMPATH	Flag. T enables multipath simulation. Read in INIT2.	L	/LFLAG2/	INITE	L	CORE
		L	/LFLAG2/	MODPLX	L	COSRO
		L	/LFLAG2/	ECMAMP	L	ECM
		L	/LFLAG2/	MODXM3	L	MONO
LOCKM	Value of m for the m-out-of-n criterion.	I	/MNLK/	MNLCKI	M	L_MONO
		I	/MNLK/	MNLOCK	L	REFSEEK
LOCKN	Value of n for the m-out-of-n criterion.	I	/MNLK/	MNLCKI	M	L_MONO
		I	/MNLK/	MNLOCK	L	REFSEEK
LOGNAM	Array containing name of the log file.	I	/SIGNAT/	MAIN	L	LOCAL
LOMNI	Flag. T implies omnidirectional decoy antenna. Read in INIT2.	L	/LFLAG2/	SETUP	L	CONTRL
		L	/LFLAG2/	ECMPAT	L	ECM
LPLOT	Flag. T enables plotting. Read in INIT2.	L	/LFLAG2/	MAIN	L	LOCAL
		L	/LFLAG2/	PLOTIT	L	LOCAL
		L	/LFLAG2/	HEADER1	L	CORE
		L	/LFLAG2/	HEADER2	L	CORE
		L	/LFLAG2/	PLOTIT	L	CORE
LPRINT	Flag. T enables printing of "RESULT" file. Read in INIT2.	L	/LFLAG2/	MAIN	L	LOCAL
		L	/LFLAG2/	DECHO	L	ASCINT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECOMAPF Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
LRPEAT	Flag. T sets ARG1 to 1.0 in subroutine DECOY1. Read in INIT2.	L	/LFLAG2/	HEADER1	L	CORE
		L	/LFLAG2/	HEADER2	L	CORE
		L	/LFLAG2/	ECMAMP	L	ECM
LSCINT	Flag. T implies scintillation. Read in INIT2.	L	/LFLAG2/	MAIN	L	LOCAL
LSEED	Array of sub-cycle seeds.	L	/LFLAG2/	INIT2	L	CORE
		J	/RNGCOM/	RANDOM	M	REFENVMT
LSTOP	Flag. T stops run when ship is out of range gate. Read in INIT2.	J	/RNGCOM/	INIRAN	M	REFENVMT
		L	/LFLAG2/	CONTRL	L	CONTRL
LTIMER	Flag. T shuts down run during working hours. Read in INIT2.	L	/LFLAG2/	MAIN	L	LOCAL
MDLSPC	Flag indicating model to be used (0=Brown model, 1=Fast empirical).	I	/MPBLK4/	MPINIT	M	REFENVMT
		I	/MPBLK4/	MPMAIN	L	REFENVMT
MODE	Flag. 1=Search, 2=Acquisition, 3=Track, 4=Drop track.	I	/AIRSKR/	AUTO3	L	AIR
		I	/AIRSKR/	COMPVD	L	COMVID
		I	/AIRSKR/	INITS	M	COMVID
		I	/AIRSKR/	RGATE	L	COMVID
		I	/AIRSKR/	RGTRAK	L	COMVID
		I	/AIRSKR/	ASSESS	L	CONTRL
		I	/AIRSKR/	CONTRL	M	CONTRL
		I	/AIRSKR/	HEADER2	L	CORE
		I	/AIRSKR/	PLOTTT	L	CORE
		I	/AIRSKR/	AUTO2	L	REFAIR
		I	/AIRSKR/	DLPLSE	L	REFECM
		I	/AIRSKR/	INT2	L	REFSEEK
		I	/AIRSKR/	DEM0D2	L	REFSEEK
		I	/AIRSKR/	DOTPR	L	REFSEEK
		I	/AIRSKR/	DISH2	L	REFSEEK
		I	/AIRSKR/	DISHM	L	REFSEEK
		I	/AIRSKR/	LOCK2	M	REFSEEK
		I	/AIRSKR/	MNLOCK	M	REFSEEK
		I	/VCORE/	RGATE	L	COMVID
		I	/VCORE/	INITR	L	CORE
		I	/VCORE/	INIT2	M	CORE
		I	/VCORE/	INITE	L	CORE
		I	/VCORE/	MODPLX	L	COSRO
		I	/VCORE/	ECMPAT	L	ECM
		I	/VCORE/	ECMDLY	L	ECM
		I	/VCORE/	MODXM3	L	MONO
		I	/VCORE/	INITP	M	REFECM
		I	/VCORE/	SCINT2	L	REFENVMT
MS	Random seed.	I	/DCOY/	INITD	M	CORE
N14	The number of complex video segments in the early gate.	I	/CV/	COMPVD	M	COMVID
		I	/CV/	RGTRAK	L	COMVID
NA2	Number of grid points in azimuth	I	/INTERP/	ANTI2	M	REFSEEK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
NC	field of view. Pulse counter in print routine.	I	/INTERP/	ANTNA2	L_REFSEEK
		I	/PRINT/	PLOTIT M	L_LOCAL
		I	/PRINT/	INITC M	L_CORE
NCLTBG	Starting index for sea clutter edge data to be sorted.	I	/PRINT/	PLOTIT M	L_CORE
		I	/PRECV/	COMPVD	L_COMVID
		I	/PRECV/	INITE M	L_CORE
		I	/PRECV/	MODPLX M	L_COSRO
NCLTEN	Last index for sea clutter edge data to be sorted.	I	/PRECV/	MODXM3 M	L_MONO
		I	/PRECV/	COMPVD	L_COMVID
		I	/PRECV/	INITE M	L_CORE
		I	/PRECV/	MODPLX M	L_COSRO
NDFAIL	Number of accumulated failures.	I	/PRECV/	MODXM3 M	L_MONO
		I	/VTEST1/	ASSESS M	L_CONTRL
		I	/VTEST1/	RESTRT M	L_CONTRL
NDSUCC	Number of accumulated successes.	I	/VTEST1/	SUMMRY	L_CONTRL
		I	/VTEST1/	ASSESS M	L_CONTRL
		I	/VTEST1/	RESTRT M	L_CONTRL
NEL	Number of grid points in elevation field of view.	I	/VTEST1/	SUMMRY	L_CONTRL
		I	/INTERP/	ANTI2 M	L_REFSEEK
		I	/RNDPR2/	INIT2 M	L_CORE
NFSEED	If zero, 1st seed is random. If positive, 1st seed is repeatable.	I	/RNDPR2/	INITE	L_CORE
		I	/RGAT/	RGATE M	L_COMVID
NINGAT	Number of targets appearing in the range gate.	I	/RGAT/	MODPLX	L_COSRO
		I	/RGAT/	MODXM3	L_MONO
		I	/VTEST1/	MAIN M	L_LOCAL
NIX	Number of integer bins to be used.	I	/VTEST1/	ASSESS	L_CONTRL
		I	/VTEST1/	RESTRT M	L_CONTRL
		I	/VTEST1/	CONTRL M	L_CONTRL
NLKONS	Number of lock-on's (transitions into mode 3).	I	/VTEST1/	HEADER2	L_CORE
		I	/PRINT/	PLOTIT M	L_LOCAL
NP	Print interval in number of pulses.	I	/PRINT/	INITC M	L_CORE
		I	/PRINT/	PLOTIT M	L_CORE
		I	/PRINT/	PLOTIT M	L_LOCAL
NS	Pulse counter.	I	/PRINT/	INITC M	L_CORE
		I	/PRINT/	PLOTIT M	L_CORE
		I	/PRINT/	PLOTIT M	L_LOCAL
NT	Number of records printed.	I	/PRINT/	HEADER2	L_CORE
		I	/PRINT/	INITC M	L_CORE
		I	/PRINT/	PLOTIT M	L_CORE
NTARG	Total number of targets (active plus passive).	I	/SKRENV/	RGATE	L_COMVID
		I	/SKRENV/	CONTRL	L_CONTRL
		I	/SKRENV/	SETUP	L_CONTRL
		I	/SKRENV/	INITR	L_CORE
		I	/SKRENV/	INIT2 M	L_CORE
		I	/SKRENV/	INITE	L_CORE

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX B - EQMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
NTOI	Pointer to show which target is the nth target in the gate.	I	/SKRENV/	INITP	L_REFECM
		I	/SKRENV/	SCINT2	L_REFENVMT
		I	/SKRENV/	TARGET	L_REFVTGT
		I	/RGAT/	RGATE	M L_COMVID
NTPNTS	Number of test points for accumulating averages.	I	/RGAT/	MODPLX	L_COSRO
		I	/RGAT/	MODXM3	L_MONO
		I	/VTEST1/	AVGDAT	M L_CONTRL
		I	/PRECV/	COMPVD	L_COMVID
NVID	Total number of complex video signal edges to be sorted.	I	/PRECV/	MODPLX	M L_COSRO
		I	/PRECV/	MODXM3	M L_MONO
		I	/CV/	COMPVD	M L_COMVID
		I	/CV/	RGTRAK	L_COMVID
NVIDEO	The number of complex video segments in the range gate.	I	/CV/	DOTPR	L_REFSEEK
		I	/CV/	M3SATV	L_REFSEEK
		I	/VTEST1/	MAIN	M L_LOCAL
		I	/VTEST1/	ASSESS	L_CONTRL
NVX	Number of variable bins to be used.	I	/VTEST1/	RESTRT	M L_CONTRL
		L	/MNLK/	MNLCKI	M L_MONO
		L	/MNLK/	MNLOCK	M L_REFSEEK
		R	/PRINT/	PLOTIT	M L_LOCAL
ONEPAS	Flag. T=Shift register filled, F=Not filled.	R	/PRINT/	PLOTIT	M L_CORE
		R	/APCONS/	AVGDAT	L_CONTRL
		R	/APCONS/	SETUP	L_CONTRL
		R	/APCONS/	MODXM3	L_MONO
P	Plot array.	R	/APCONS/	M3TRGI	M L_REFSEEK
		R	/SKRENV/	INITS	M L_COMVID
		R	/SKRENV/	AVGDAT	L_CONTRL
		R	/SKRENV/	SETUP	L_CONTRL
PASCON	Square root of the constant part of the two-way range equation.	R	/SKRENV/	MODPLX	L_COSRO
		R	/CDOTPR/	DOTPR	L_REFSEEK
		R	/CDOTPR/	DOTPRI	M L_REFSEEK
		R	/AIRSKR/	AUTO3	L_AIR
PCON	Part of 2-way range equation: 550.*300.*SKRFWR*XLMDA**2/PI4**3	R	/AIRSKR/	INITS	M L_COMVID
		R	/AIRSKR/	AUTO2	L_REFAIR
		R	/AIRSKR/	DEM0D2	M L_REFSEEK
		R	/AIRSKR/	DOTPR	M L_REFSEEK
PDRGAN	Pitch differential channel processing gain.	R	/INT/	RGATE	L_COMVID
PERR	Seeker pitch error signal in degrees/second.	R	/RGAT/	RGATE	M L_COMVID
PGATE	Equivalenced to X(19). (prediction gate - leading edge.)	R	/AUTO/	AUTO3	L_AIR
PGATEN	Prediction gate trailing edge in microseconds.	R	/AUTO/	AUTO2	L_REFAIR
PINT	Pitch integrator output in degrees.	R	/AUTO/	INITHR	M L_REFAIR
		R	/AUTO/	INITMS	M L_REFAIR
		R	/AUTO/	INT2	M L_REFSEEK
		R	/AUTO/	INT2	M L_REFSEEK

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
PLSDEL	Minimum pulse width to be reported as a separate slice in microseconds.	R	/PRECV/	COMPVD		L_COMVID
POLFLG	Polarization flag. 1=Vertical. 0=Horizontal.	I	/MPBLK2/	MPINIT	M	L_REFENVM
		I	/MPBLK2/	MPMAIN		L_REFENVM
PSB	Target pitch angle off boresight in degrees.	R	/SKR/	RGATE	M	L_COMVID
		R	/SKR/	MODPLX		L_COSRO
		R	/SKR/	MODXM3		L_MONO
PSI	Missile yaw angle in degrees.	R	/AIRSKR/	PLOTIT		L_LOCAL
		R	/AIRSKR/	AUTO3		L_AIR
		R	/AIRSKR/	RGATE		L_COMVID
		R	/AIRSKR/	CONTRL		L_CONTRL
		R	/AIRSKR/	PLOTIT		L_CORE
		R	/AIRSKR/	AUTO2		L_REFAIR
		R	/AIRSKR/	INITHR	M	L_REFAIR
		R	/AIRSKR/	INITMS	M	L_REFAIR
		R	/AIRSKR/	KINE2		L_REFAIR
		R	/AIRSKR/	INT2	M	L_REFSEEK
PSIB	Dish yaw angle relative to missile body in degrees.	R	/AIRSKR/	AUTO2		L_REFAIR
		R	/AIRSKR/	AUTO3		L_AIR
		R	/AIRSKR/	INITMS	M	L_COMVID
		R	/AIRSKR/	INT2	M	L_REFSEEK
PSID	Yaw base servo output in degrees.	R	/AUTO/	AUTO3		L_AIR
		R	/AUTO/	AUTO2		L_REFAIR
		R	/AUTO/	INITHR	M	L_REFAIR
		R	/AUTO/	INITMS	M	L_REFAIR
		R	/AUTO/	INT2	M	L_REFSEEK
PSIMAX	Maximum azimuth angle stored in degrees.	R	/INTERP/	ANTI2	M	L_REFSEEK
		R	/INTERP/	ANTNA2		L_REFSEEK
PSIMIN	Minimum azimuth angle stored in degrees.	R	/INTERP/	ANTI2	M	L_REFSEEK
		R	/INTERP/	ANTNA2		L_REFSEEK
PSISPC	Specular angle in radians.	R	/MPATHI/	AVGDAT		L_CONTRL
		R	/MPATHI/	PLOTIT		L_CORE
		R	/MPATHI/	MLTPTH		L_REFENVM
PTCH	Previous value of body pitch in radians.	R	/KINE/	INITHR	M	L_REFAIR
		R	/KINE/	INITMS	M	L_REFAIR
		R	/KINE/	KINE2	M	L_REFAIR
PULST	Leading edge of the complex video slice in microseconds.	R	/CV/	COMPVD	M	L_COMVID
PULSW	Pulse width of the complex video slice in microseconds.	R	/CV/	COMPVD	M	L_COMVID
		R	/CV/	RGTRAK		L_COMVID
		R	/CV/	DOTPR		L_REFSEEK
RALT	Rate altimeter output in meters.	R	/AUTO/	AUTO3		L_AIR
		R	/AUTO/	AUTO2		L_REFAIR
		R	/AUTO/	INITHR	M	L_REFAIR
		R	/AUTO/	INITMS	M	L_REFAIR
		R	/AUTO/	INT2	M	L_REFSEEK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECOMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
RANGE	Range from ship to missile in meters.	R	/SKRENV/	RGATE	M L COMVID
		R	/SKRENV/	AVGDAT	L CONTRL
		R	/SKRENV/	INITE	M L CORE
		R	/SKRENV/	MODPLX	L COSRO
		R	/SKRENV/	ECAMP	L ECM
		R	/SKRENV/	MODXM3	L MONO
		R	/SKRENV/	INITHR	M L REPAIR
		R	/SKRENV/	INITMS	M L REPAIR
RCOS	Cosine of a random phase angle (the same angle as RSIN).	R	/CRNDSC/	MODPLX	L COSRO
		R	/CRNDSC/	MODXM3	L MONO
		R	/CRNDSC/	RNDSC	M L REFSEEK
RDDOT	Range gate acceleration limit in microseconds/second**2.	R	/PARAM/	RGTRAK	L COMVID
RDOTLM	Range gate velocity limit in microseconds/second.	R	/PARAM/	INIT2	M L CORE
		R	/PARAM/	RGTRAK	L COMVID
RECFWR	Threat power level in the decoy in dbm.	R	/PARAM/	INIT2	M L COPE
		R	/DCOY/	PLOTIT	L CORE
REPPRB	Probability that the decoy will repeat a given pulse.	R	/DCOY/	ECAMP	M L ECM
		R	/VDECO/	INITR	M L CORE
RF	Radar frequency in hertz.	R	/VDECO/	ECAMP	L ECM
		R	/SCINT/	INITS	M L COMVID
RGATE	Range gate leading edge in microseconds. Equivalent to X(20).	R	/SCINT/	INITD	L CORE
		R	/SCINT/	EMERCS	L REFENVMT
		R	/SCINT/	TCORSC	L REFENVMT
		R	/INT/	CMPVD	L COMVID
		R	/INT/	CONTRL	L CONTRL
RGATEN	Range gate trailing edge in microseconds.	R	/RGAT/	RGATE	M L COMVID
		R	/RGAT/	RGATE	L COMVID
RGATLN	Total range gate length in microseconds.	R	/RGAT/	RGATEI	M L COMVID
		R	/RGAT/	RGATEI	L COMVID
RHO	Mean-to-median ratio.	R	/DISTYP/	DECHO	L ASCINT
		R	/DISTYP/	INITE	M L CORE
		R	/DISTYP/	MNTOMD	L REFENVMT
		R	/DISTYP/	MNTOMD	L REFENVMT
RICEM	Mean-to-median ratio for Rice distribution.	R	/BARAS/	INITE	M L CORE
		R	/BARAS/	PRATIO	L REFENVMT
RJTOS	J/S ratio of target 2 to target 1.	R	/VTEST1/	AVGDAT	M L CONTRL
		R	/VTEST1/	SETUP	M L CONTRL
		R	/VTEST1/	SUMRY	L CONTRL
		R	/VTEST1/	HEADER2	L CORE
		R	/VTEST1/	INIT2	M L CORE
RMSWHT	RMS wave height in meters.	R	/MPATHI/	AVGDAT	L CONTRL
		R	/MPATHI/	SETUP	M L CONTRL
		R	/MPATHI/	HEADER1	L CORE
		R	/MPATHI/	INITE	L CORE
RNCO	Correlation filter coefficient.	R	/RNDPR2/	INITE	M L CORE
		R	/RNDPR2/	RAPR1	L REFENVMT
		R	/RNDPR2/	RAPR2	L REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECOMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
RNCOM	Correlation filter coefficients.	R	/RNDPR2/	RAPR3	L REFENVMT
		R	/RNDPR2/	RAPR4	L REFENVMT
		R	/RNDPR2/	RCO	M L REFENVMT
		R	/BARAS/	INITE	M L CORE
RNCOQ	Correlation filter coefficients.	R	/BARAS/	RAPR5	L REFENVMT
		R	/BARAS/	RCO	M L REFENVMT
		R	/BARAS/	INITE	M L CORE
		R	/BARAS/	RAPR5	L REFENVMT
RPDACC	Repeater RGPO delay acceleration in microseconds/second**2.	R	/VDECO/	RCO	M L REFENVMT
		R	/VDECO/	INTR	M L CORE
RPDMAX	Maximum value of RGPO repeater delay in microseconds.	R	/VDECO/	RGPO	L REFECM
		R	/VDECO/	INTR	M L CORE
RPDMIN	Minimum value of RGPO repeater delay in microseconds.	R	/VDECO/	RGPO	L REFECM
		R	/VDECO/	INTR	M L CORE
RPDVEL	Repeater RGPO delay velocity in microseconds/second.	R	/VDECO/	RGPO	L REFECM
		R	/VDECO/	INTR	M L CORE
RPDWLL	Repeater dwell time before RGPO sweep in seconds.	R	/VDECO/	RGPO	L REFECM
		R	/VDECO/	INTR	M L CORE
RPPINT	Interval between pulses of a multipulse decoy in microseconds.	R	/VDECO/	INTR	M L CORE
		R	/VDECO/	DLPLSE	L REFECM
RPPNUM	Number of pulses in the transmitted group of a multipulse decoy.	R	/VDECO/	DLPLSE	L REFECM
		R	/VDECO/	INTR	M L CORE
RPSTIM	Starting time of latest repeater sweep in seconds.	R	/VDECO/	DLPLSE	L REFECM
		R	/VDECO/	INTR	M L CORE
RPTDEL	Decoy repeater turnaround delay in microseconds.	R	/VDECO/	RGPO	M L REFECM
		R	/VDECO/	SETUP	L CONTRL
RPTHLD	Decoy input power threshold in dbm.	R	/VDECO/	INTR	M L CORE
		R	/VDECO/	INIT2	M L CORE
		R	/VDECO/	INITC	M L CORE
		R	/VDECO/	ECMDLY	L ECM
		R	/VDECO/	RGPO	M L REFECM
		R	/VDECO/	INTR	M L CORE
		R	/VDECO/	ECMAMP	L ECM
		R	/VDECO/	SETUP	M L CONTRL
		R	/VDECO/	HEADER1	L CORE
		R	/VDECO/	INTR	M L CORE
RPTFRW	Repeater radar pulse width in microseconds.	R	/VDECO/	ECMPAT	L ECM
		R	/VDECO/	ECMAMP	L ECM
		R	/VDECO/	INTR	M L CORE
		R	/VDECO/	INIT2	M L CORE
RSIN	Sine of a random phase angle (the same angle as RCOS).	R	/CRNDSC/	MODPLX	L COSRO
		R	/CRNDSC/	MODXM3	L MONO
RUNTIM	Maximum duration of the run in seconds.	R	/CRNDSC/	RNDSC	M L REFSEEK
		R	/PARAM/	MAIN	L LOCAL
		R	/PARAM/	HEADER1	L CORE
		R	/PARAM/	INIT2	M L CORE

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX B - EQMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
S	Table of sines of angles from 0 to 90 degrees.	R	/PARAM/	INITC	M	L CORE
		R	/PARAM/	PLOTIT		L CORE
		R	/SINES/	RNDSCI	M	L REFSEEK
Sl	Table of sines of angles from 0 to 90 degrees.	R	/SINES/	RNDSC		L REFSEEK
SCINT	Amplitude scintillation array.	R	/SCINT/	DECHO		L ASCINT
		R	/SCINT/	INITE	M	L CORE
		R	/SCINT/	AMERCS		L REFENVM
		R	/SCINT/	ELSTR	M	L REFENVM
		R	/SCINT/	EMERCS		L REFENVM
		R	/SCINT/	MIXPR		L REFENVM
		R	/SCINT/	MNTOMD		L REFENVM
		R	/SCINT/	PRATIO	M	L REFENVM
		R	/SCINT/	RAPR3		L REFENVM
		R	/SCINT/	RAPR4		L REFENVM
		R	/SCINT/	RAPR5		L REFENVM
		R	/SCINT/	RCO		L REFENVM
		R	/SCINT/	SWITAN	M	L REFENVM
		R	/SCINT/	TARANG	M	L REFENVM
		R	/SCINT/	TARDEN		L REFENVM
		R	/SCINT/	TCORSC		L REFENVM
		R	/DISTYP/	INITE	M	L CORE
		R	/MPBLK4/	MPINIT	M	L REFENVM
		R	/MPBLK4/	MEMAIN		L REFENVM
		R	/MPBLK4/	MPINIT	M	L REFENVM
		R	/MPBLK4/	MEMAIN		L REFENVM
SEACL	Sea clutter array.	R	/MPATHI/	AVGDAT	M	L CONTRL
		R	/MPATHI/	SETUP		L CONTRL
		R	/MPATHI/	INIT2	M	L CORE
SEACON	Sea conductivity coefficient.	R	/MPATHI/	PLOTIT		L CORE
		I	/MNLK/	MNLCKI	M	L MONO
		I	/MNLK/	MNLOCK	M	L REFSEEK
SEADIE	Sea dielectric constant.	R	/BARAS/	INITE	M	L CORE
		R	/BARAS/	AMERCS		L REFENVM
SEARUF	Sea roughness factor.	R	/MCSAS/	DECHO		L ASCINT
		R	/MCSAS/	AVGDAT		L CONTRL
		R	/MCSAS/	SETUP		L CONTRL
		R	/MCSAS/	INIT2	M	L CORE
		R	/MCSAS/	INITE	M	L CORE
		R	/MCSAS/	AMERCS	M	L REFENVM
		R	/MCSAS/	EMERCS	M	L REFENVM
		R	/MCSAS/	RAPR1		L REFENVM
		R	/MCSAS/	RAPR2		L REFENVM
		R	/MCSAS/	RAPR3		L REFENVM
		R	/MCSAS/	RAPR4		L REFENVM

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - EOMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
SIGMP	Median RCS at port and starboard in meters**2.	R	/MCSAS/	RAPR5	L_REFENMNT
		R	/MCSAS/	INITE	M L_CORE
		R	/MCSAS/	AMERCS	L_REFENMNT
SIGMS	Median RCS at stern in meters**2.	R	/MCSAS/	INITE	M L_CORE
		R	/MCSAS/	AMERCS	L_REFENMNT
		R	/SKRENV/	PLOTIT	L_LOCAL
SIGP	Sight-line angle to target in pitch in degrees.	R	/SKRENV/	RGATE	M L_CONVID
		R	/SKRENV/	PLOTIT	L_CORE
		R	/SKRENV/	BOMPAT	L_BOM
		R	/SKRENV/	TARANG	L_REFENMNT
		R	/SCINT/	INITE	M L_CORE
SIGP0	Previous value of pitch sight-line angle in degrees.	R	/SCINT/	TARANG	M L_REFENMNT
		R	/MFBLK6/	MPINIT	M L_REFENMNT
SIGPSI	Previous value of PSISFC; used in SIGTST.	R	/MFBLK6/	SIGTST	M L_REFENMNT
		R	/SKRENV/	RGATE	M L_CONVID
SIGY	Sight-line angle to target in yaw in degrees.	R	/SKRENV/	CONTRL	L_CONTRL
		R	/SKRENV/	INITD	L_CORE
		R	/SKRENV/	INITE	M L_CORE
		R	/SKRENV/	BOMPAT	L_BOM
		R	/SKRENV/	TARANG	L_REFENMNT
SKRWR	Threat seeker transmit power in watts.	R	/SKRENV/	INITS	M L_CONVID
		R	/SKRENV/	BOMAMP	L_BOM
		R	/SKRENV/	M3TRGI	L_REFSEEK
SNDATE	Date run was started.	D	/LOGCON/	SNLOG	M L_CONTRL
SNTIME	Time run was started.	D	/LOGCON/	SNLOG	L_CONTRL
SPTCH	Previous value of sine of pitch.	R	/KINE/	INITHR	M L_REPAIR
		R	/KINE/	INITMS	M L_REPAIR
		R	/KINE/	KINE2	M L_REPAIR
SSCAN	Sine of beam scanner angle.	R	/SCAN/	MODPLX	L_COSRO
		R	/SCAN/	MLTPTH	L_REFENMNT
		R	/SCAN/	SCAN2	M L_REFSEEK
		R	/SCAN/	DEM0D2	L_REFSEEK
		R	/DCOY/	COMPVD	L_CONVID
STGWTB	Split track gate width in microseconds.	R	/DCOY/	INITS	M L_CONVID
		R	/DCOY/	RGATEI	L_CONVID
		R	/DCOY/	ASSESS	L_CONTRL
		R	/DCOY/	CONTRL	L_CONTRL
		R	/DCOY/	INITD	L_CORE
		R	/DCOY/	DLPLSE	L_REFBOM
		I	/PRINT/	MAIN	M L_LOCAL
SUFFIX	Suffix to indicate model type: ".C"=Cosro. ".M"=Mono.	I	/PRINT/	RESTR	L_CONTRL
		R	/DISTYP/	INITE	M L_CORE
		R	/DISTYP/	TARANG	M L_REFENMNT
SUM	Cumulative change in aspect angle in degrees.	R	/INTOUT/	MODM3	L_MONO
		R	/INTOUT/	ANTI	L_REFSEEK
		R	/INTOUT/	ANTI2	L_REFSEEK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
			R	/INTOUT/	ANTNA	M L REFSEEK
			R	/INTOUT/	ANTNA2	M L REFSEEK
SUMPAI	Sum pattern (imaginary part).		I	/PATRN2/	ANT12	L REFSEEK
			I	/PATRN2/	ANTNA2	L REFSEEK
SUMPAR	Sum pattern (real part).		I	/PATRN1/	ANT12	L REFSEEK
			I	/PATRN1/	ANTNA2	L REFSEEK
SUMR	Real part of antenna gain sum channel.		R	/INTOUT/	MODM3	L MONO
			R	/INTOUT/	ANT1	L REFSEEK
			R	/INTOUT/	ANT12	L REFSEEK
			R	/INTOUT/	ANTNA	M L REFSEEK
			R	/INTOUT/	ANTNA2	M L REFSEEK
SUMRR	Equivalenced to "SUMPAT".		I	/PATSYN/	ANTNA	L REFSEEK
SUMTMP	Equivalenced to "CVIDEO".		R	/CV/	DOTFR	L REFSEEK
SUPT	Sum pattern.		I	/PATSYN/	ANT1	M L REFSEEK
SYW	Previous value of sine of yaw.		R	/KINE/	INITER	M L REPAIR
			R	/KINE/	INITMS	M L REPAIR
			R	/KINE/	KINE2	M L REPAIR
T	T array. Contains time constants, etc. See also APPENDIX D.		R	/PARAM/	MAIN	L LOCAL
			R	/PARAM/	INIT5	M L CONVID
			R	/PARAM/	INITC	M L CORE
			R	/PARAM/	AGC2	L REFSEEK
			R	/PARAM/	DEM0D2	L REFSEEK
			R	/PARAM/	DOTFR	L REFSEEK
			R	/PARAM/	DISH2	L REFSEEK
			R	/PARAM/	DISHM	L REFSEEK
			R	/PARAM/	LOCK2	L REFSEEK
TAGC	Noise loop filter time constant.		R	/AGC/	INIT5	M L CONVID
			R	/AGC/	AGC2	L REFSEEK
TBEGIN	Target echo leading edge in microseconds. Duplicate of TGTDLX.		R	/RGAT/	RGATE	M L CONVID
			R	/RGAT/	MODPLX	L COSRO
			R	/RGAT/	MODM3	L MONO
TDPLOY	Target deployment time in seconds. See also APPENDIX D.		R	/VCORE/	AVGDAT	L CONTRL
			R	/VCORE/	SETUP	L CONTRL
			R	/VCORE/	INITR	L CORE
			R	/VCORE/	INIT2	M L CORE
			R	/VCORE/	INITE	L CORE
			R	/VCORE/	INITP	M L REFECH
			R	/VCORE/	CHAPT	M L REPTOT
			R	/VCORE/	DECOY	M L REPTOT
			R	/VCORE/	TARGET	L REPTOT
TEND	Target echo trailing edge in microseconds.		R	/RGAT/	RGATE	M L CONVID
			R	/RGAT/	MODPLX	L COSRO
			R	/RGAT/	MODM3	L MONO
TGTAMP	Target return level computed in missile receiver in volts.		R	/SIRENV/	RGATE	M L CONVID
			R	/SIRENV/	INITC	M L CORE
			R	/SIRENV/	PLOTIT	L CORE

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECHAPP Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L File
TGTBRF Target turning rate in degrees/second.	R	/SIRENV/	MODPLX	M L COSRO
	R	/SIRENV/	MODM3	M L NMO
	R	/SIRENV/	INIT2	M L CORE
	R	/SIRENV/	INITC	M L CORE
	R	/SIRENV/	INITE	L CORE
TGTBRG Target bearing COM from positive X-axis in degrees.	R	/SIRENV/	DECOY	L REPTOT
	R	/SIRENV/	SHIP	L REPTOT
	R	/SIRENV/	SETUP	L CONTRL
	R	/SIRENV/	HEADER1	L CORE
	R	/SIRENV/	INITD	L CORE
	R	/SIRENV/	INIT2	M L CORE
	R	/SIRENV/	INITC	M L CORE
	R	/SIRENV/	INITE	L CORE
	R	/SIRENV/	ECMPAT	L ECH
	R	/SIRENV/	TARANG	L REPEMNT
TGTDLY Leading edge of target pulse received by seeker in microseconds.	R	/SIRENV/	ABOARD	M L REPTOT
	R	/SIRENV/	DECOY	M L REPTOT
	R	/SIRENV/	SHIP	M L REPTOT
	R	/SIRENV/	PLOTIT	L LOCAL
	R	/SIRENV/	RGATE	M L CONVID
	R	/SIRENV/	ASSESS	L CONTRL
	R	/SIRENV/	CONTRL	L CONTRL
	R	/SIRENV/	HEADER2	L CORE
	R	/SIRENV/	INITC	M L CORE
	R	/SIRENV/	PLOTIT	L CORE
TGT RCS in square meters or ERP in watts.	R	/SIRENV/	BCHLY	M L ECH
	R	/SIRENV/	DLPLSE	M L REPECH
	R	/SIRENV/	PLOTIT	L LOCAL
	R	/SIRENV/	AVGDAT	L CONTRL
	R	/SIRENV/	INIT2	M L CORE
	R	/SIRENV/	INITC	M L CORE
	R	/SIRENV/	PLOTIT	L CORE
	R	/SIRENV/	MODPLX	L COSRO
	R	/SIRENV/	ECMPAT	M L ECH
	R	/SIRENV/	ECMPMP	M L ECH
	R	/SIRENV/	MODM3	L NMO
	R	/SIRENV/	RAPR1	M L REPEMNT
	R	/SIRENV/	RAPR2	M L REPEMNT
	R	/SIRENV/	RAPR3	M L REPEMNT
	R	/SIRENV/	RAPR4	M L REPEMNT
TGTTRW Width of target pulse received by seeker in microseconds.	R	/SIRENV/	RAPR5	M L REPEMNT
	R	/SIRENV/	RGATE	L CONVID
	R	/SIRENV/	ASSESS	L CONTRL
	R	/SIRENV/	CONTRL	L CONTRL
	R	/SIRENV/	SETUP	L CONTRL
	R	/SIRENV/	INITR	M L CORE

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECHAPP Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L	File
TGTVEL Target velocity in knots.	R	/SKRENV/	INIT2	M	L CORE
	R	/SKRENV/	INITC	M	L CORE
	R	/SKRENV/	SETUP		L CONTRL
	R	/SKRENV/	INIT2	M	L CORE
	R	/SKRENV/	INITC	M	L CORE
	R	/SKRENV/	INITE		L CORE
TOTXCO Target position on X-axis in meters.	R	/SKRENV/	DECOY		L REFTGT
	R	/SKRENV/	SHIP		L REFTGT
	R	/SKRENV/	MAIN		L LOCAL
	R	/SKRENV/	PLOTIT		L LOCAL
	R	/SKRENV/	RGATE		L COMVID
	R	/SKRENV/	SETUP		L CONTRL
	R	/SKRENV/	INIT2	M	L CORE
	R	/SKRENV/	INITC	M	L CORE
	R	/SKRENV/	INITE		L CORE
	R	/SKRENV/	TARANG		L REFENVMT
TOTYCO Target position on Y-axis in meters.	R	/SKRENV/	ABOARD	M	L REFTGT
	R	/SKRENV/	CHAPP	M	L REFTGT
	R	/SKRENV/	DECOY	M	L REFTGT
	R	/SKRENV/	SHIP	M	L REFTGT
	R	/SKRENV/	PLOTIT		L LOCAL
	R	/SKRENV/	RGATE		L COMVID
	R	/SKRENV/	SETUP		L CONTRL
	R	/SKRENV/	INIT2	M	L CORE
	R	/SKRENV/	INITC	M	L CORE
	R	/SKRENV/	INITE		L CORE
TOTZCO Target position on Z-axis in meters.	R	/SKRENV/	ABOARD	M	L REFTGT
	R	/SKRENV/	CHAPP	M	L REFTGT
	R	/SKRENV/	DECOY	M	L REFTGT
	R	/SKRENV/	SHIP	M	L REFTGT
	R	/SKRENV/	RGATE		L COMVID
	R	/SKRENV/	SETUP		L CONTRL
	R	/SKRENV/	HEADER1		L CORE
	R	/SKRENV/	INIT2	M	L CORE
	R	/SKRENV/	INITC	M	L CORE
	R	/SKRENV/	INITE		L CORE
TIBON Aspect angle where depression starts in degrees.	R	/SKRENV/	MLTPH		L REFENVMT
	R	/SKRENV/	ABOARD	M	L REFTGT
	R	/SKRENV/	CHAPP	M	L REFTGT
	R	/SKRENV/	DECOY		L REFTGT
	R	/BARAS/	INITE	M	L CORE
	R	/BARAS/	AMERCS	M	L REFENVMT
THEMAX Maximum elevation angle stored in degrees.	R	/INTERP/	ANTI2	M	L REFSEEK
THEMIN Minimum elevation angle stored in degrees.	R	/INTERP/	ANTNA2		L REFSEEK
	R	/INTERP/	ANTI2	M	L REFSEEK
	R	/INTERP/	ANTNA2		L REFSEEK

NOTES: *M* column indicates variable is modified.
T column heading indicates type attribute.

APPENDIX B - EQMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
THET	Azimuth argument for antenna interpolation routine in degrees.	R	/INTSYM/	MODXM3	M	L MONO
		R	/INTSYM/	ANTI	M	L REFSEEK
		R	/INTSYM/	ANTNNA		L REFSEEK
THRHL	Constant associated with update test in SIGTST.	R	/MPBLK6/	MPINIT	M	L REFENVMT
		R	/MPBLK6/	SIGTST		L REFENVMT
THTD	Pitch base servo output in degrees.	R	/AUTO/	AUTO3		L AIR
		R	/AUTO/	AUTO2		L REPAIR
		R	/AUTO/	INITHR	M	L REPAIR
		R	/AUTO/	INITMS	M	L REPAIR
		R	/AUTO/	INT2	M	L REFSEEK
THTG	Missile pitch angle in degrees.	R	/AIRSKR/	PLOTIT		L LOCAL
		R	/AIRSKR/	AUTO3		L AIR
		R	/AIRSKR/	RGATE		L COMVID
		R	/AIRSKR/	PLOTIT		L CORE
		R	/AIRSKR/	AUTO2		L REPAIR
		R	/AIRSKR/	INITHR	M	L REPAIR
		R	/AIRSKR/	INITMS	M	L REPAIR
		R	/AIRSKR/	KINE2		L REPAIR
		R	/AIRSKR/	MLTPTH		L REFENVMT
		R	/AIRSKR/	INT2	M	L REFSEEK
THYL	Yaw lead gyro angle in degrees.	R	/AUTO/	AUTO3		L AIR
		R	/AUTO/	AUTO2		L REPAIR
		R	/AUTO/	INITHR	M	L REPAIR
		R	/AUTO/	INITMS	M	L REPAIR
		R	/AUTO/	INT2	M	L REFSEEK
TIME	Accumulated run time in seconds.	D	/ASE/	MAIN		L LOCAL
		D	/ASE/	AVGDAT		L CONTRL
		D	/ASE/	CONTRL		L CONTRL
		D	/ASE/	INITC	M	L CORE
		D	/ASE/	PLOTIT		L CORE
		D	/ASE/	RGPO		L REFECH
		D	/ASE/	TARANG		L REFENVMT
		D	/ASE/	MLTPTH		L REFENVMT
		D	/ASE/	INT2	M	L REFSEEK
		D	/ASE/	DECOY		L REFTGT
		D	/ASE/	TARGET		L REFTGT
TIME0	Previous value of time in seconds.	D	/SCINT/	INITE	M	L CORE
		D	/SCINT/	TARANG	M	L REFENVMT
TITLE1	First line of output data file title.	I	/VTEST1/	SUMRY		L CONTRL
		I	/VTEST1/	HEADER1		L CORE
		I	/VTEST1/	INIT2	M	L CORE
TITLE2	Second line of output data file title.	I	/VTEST1/	SUMRY		L CONTRL
		I	/VTEST1/	HEADER1		L CORE
		I	/VTEST1/	INIT2	M	L CORE
TITLE3	Third line of output data file title.	I	/VTEST1/	SUMRY		L CONTRL
		I	/VTEST1/	INIT2	M	L CORE

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX B - EOMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
TRATIO	Threat antenna gain ratio.	R	/MPATHI/	MLTPH M	L	REFENVT
TRIM	Gravity offset in degrees.	R	/AUTO/	AUTO3	L	AIR
		R	/AUTO/	INITHR M	L	REPAIR
		R	/AUTO/	INITMS M	L	REPAIR
TRMIX	Percent of major aspect density type in mixed regions.	R	/DISTYP/	INITE M	L	CORE
		R	/DISTYP/	MIXPR M	L	REFENVT
		R	/DISTYP/	RAPR5	L	REFENVT
TVID	Time of arrival of the complex video signal edge (microseconds).	R	/PRECV/	COMPVD	L	COMVID
		R	/PRECV/	MODPLX M	L	COSRO
		R	/PRECV/	MODXM3 M	L	MONO
TWTFWR	Decoy TWT output in watts.	R	/DCOY/	SETUP M	L	CONTRL
		R	/DCOY/	PLOTIT	L	CORE
USFM	Two-way signal travel time in microseconds/meter.	R	/CONST/	RGATE	L	COMVID
		R	/CONST/	RGTRAK	L	COMVID
		R	/CONST/	SETUP	L	CONTRL
		R	/CONST/	INTR	L	CORE
		R	/CONST/	INIT2	L	CORE
		R	/CONST/	INITC M	L	CORE
VARBIN	Array of variable bins to save data for restart.	R	/VTEST1/	ASSESS	L	CONTRL
		R	/VTEST1/	RESTRT M	L	CONTRL
VDOAZ	Real array equivalent to "CVDIAZ", azimuth difference video.	R	/CV/	COMPVD M	L	COMVID
VDOEL	Real array equivalent to "CVDIEL", elevation difference video.	R	/CV/	COMPVD M	L	COMVID
VEL	Missile velocity vector in meters/second.	R	/KINE/	RGTRAK	L	COMVID
		R	/KINE/	SETUP	L	CONTRL
		R	/KINE/	INITC M	L	CORE
		R	/KINE/	INITE	L	CORE
		R	/KINE/	KINE2	L	REPAIR
VID	Real array equivalent to "CVID", complex video sum "deltas".	R	/PRECV/	COMPVD M	L	COMVID
		R	/CV/	RGTRAK	L	COMVID
		R	/PRECV/	MODPLX M	L	COSRO
		R	/PRECV/	MODXM3 M	L	MONO
VIDA	Equivalenced to "CVDIAZ".	R	/CV/	M3SATV M	L	REFSEEK
VIDAZ	Real array equivalent to "CVIDAZ", azimuth difference video.	R	/PRECV/	COMPVD M	L	COMVID
		R	/PRECV/	MODXM3 M	L	MONO
VIDE	Equivalenced to "CVDIEL".	R	/CV/	M3SATV M	L	REFSEEK
VIDEL	Real array equivalent to "CVIDEL", elevation difference video.	R	/PRECV/	COMPVD M	L	COMVID
		R	/PRECV/	MODXM3 M	L	MONO
VIDEO	Peak envelope of the composite video signal in volts.	R	/CV/	COMPVD M	L	COMVID
		R	/AGC/	INITS M	L	COMVID
		R	/AGC/	RGTRAK M	L	COMVID
		R	/AGC/	PLOTIT	L	CORE
		R	/AGC/	AGC2	L	REFSEEK
		R	/AGC/	DEM0D2	L	REFSEEK
		R	/AGC/	LOCK2	L	REFSEEK

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
VIDMX2	Square of the video saturation amplitude (magnitude).	R	/AGC/	MNLOCK	L_REFSEEK
		R	/CV/	M3SATV	L_REFSEEK
		R	/CV/	M3TRGI	M L_REFSEEK
VIDS	Equivalenced to "CVIDEO".	R	/CV/	M3SATV	M L_REFSEEK
VND	AGC noise voltage in volts.	R	/AGC/	INITS	M L_COMVID
		R	/AGC/	AGC2	L_REFSEEK
VOUT	Log to the base 10 of the AGC signal in volts.	R	/AGC/	PLOTIT	L_LOCAL
		R	/AGC/	PLOTIT	L_CORE
		R	/AGC/	AGC2	M L_REFSEEK
		R	/MNLK/	INITS	M L_COMVID
VTHRS	Detection threshold in volts.	R	/MNLK/	RGTRAK	L_COMVID
		R	/MNLK/	MNLCKI	M L_MONO
		R	/MNLK/	MNLOCK	L_REFSEEK
		R	/MPBLK2/	MPINIT	M L_REFENVM
WAVLEN	Radar wavelength in meters.	R	/MPBLK2/	MPMAIN	L_REFENVM
		R	/MPBLK5/	MPINIT	M L_REFENVM
WAVRMS	RMS wave height in meters.	R	/MPBLK5/	MPMAIN	L_REFENVM
		R	/DCOY/	INIT2	M L_CORE
WX	X component of wind in knots.	R	/DCOY/	CHAFF	L_REFTGT
		R	/DCOY/	DECOY	L_REFTGT
		R	/DCOY/	INIT2	M L_CORE
		R	/DCOY/	CHAFF	L_REFTGT
WY	Y component of wind in knots.	R	/DCOY/	DECOY	L_REFTGT
		R	/INT/	PLOTIT	L_LOCAL
		R	/INT/	INITS	M L_COMVID
		R	/INT/	RGATE	L_COMVID
X	X integrator array. See also APPENDIX D.	R	/INT/	RGTRAK	M L_COMVID
		R	/INT/	ASSESS	L_CONTRL
		R	/INT/	CONTRL	M L_CONTRL
		R	/INT/	HEDER2	L_CORE
		R	/INT/	INITC	M L_CORE
		R	/INT/	PLOTIT	L_CORE
		R	/INT/	DLPLSE	L_REFECM
		R	/INT/	MLTPH	L_REFENVM
		R	/INT/	AGC2	L_REFSEEK
		R	/INT/	SCAN2	M L_REFSEEK
		R	/INT/	INT2	M L_REFSEEK
		R	/INT/	DEMOD2	L_REFSEEK
		R	/INT/	DOTPR	M L_REFSEEK
		R	/INT/	DISH2	L_REFSEEK
		R	/INT/	DISHM	M L_REFSEEK
		R	/INT/	LOCK2	M L_REFSEEK
		R	/INT/	MNLOCK	L_REFSEEK
		R	/MPATHI/	MODPLX	L_COSRO
		R	/MPATHI/	MODXM3	L_MONO
		R	/MPATHI/	MLTPH	M L_REFENVM

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - EOMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
XL	Lower limits for X array integrators.	R	/INT/	INITC	M	L CORE
XLMDA	Wavelength in meters.	R	/SKRENV/	INITS	M	L COMVID
		R	/SKRENV/	AVGDAT		L CONTRL
		R	/SKRENV/	SETUP		L CONTRL
		R	/SKRENV/	INITD	M	L CORE
		R	/SKRENV/	INITE	M	L CORE
		R	/SKRENV/	ECMAMP		L ECM
XLMDA2	Wavelength**2 in meters**2.	R	/SKRENV/	INITD	M	L CORE
		R	/SKRENV/	M3TRGI		L REFSEEK
XLS	Lower limits for X array integrators in search mode.	R	/INT/	INITS	M	L COMVID
		R	/INT/	RGTRAK		L COMVID
		R	/INT/	INITC	M	L CORE
		R	/INT/	INT2		L REFSEEK
XLT	Lower limits for X array integrators in terminal mode.	R	/INT/	INITS	M	L COMVID
		R	/INT/	INITC	M	L CORE
		R	/INT/	INT2		L REFSEEK
XM	Missile X position in meters.	R	/ASE/	MAIN		L LOCAL
		R	/ASE/	PLOTIT		L LOCAL
		R	/ASE/	RGATE		L COMVID
		R	/ASE/	SETUP		L CONTRL
		R	/ASE/	INITC	M	L CORE
		R	/ASE/	INITE		L CORE
		R	/ASE/	INITHR		L REFAIR
		R	/ASE/	INITMS		L REFAIR
		R	/ASE/	TARANG		L REFENVMT
		R	/ASE/	INT2	M	L REFSEEK
XMEAN	Rayleigh mean time between emitter pulses in microseconds.	R	/DCOY/	INITD		L CORE
		R	/DCOY/	INIT2	M	L CORE
XREAL	Real part of the multipath factor.	R	/MPATHI/	MODPLX		L COSRO
		R	/MPATHI/	MODXM3		L MONO
		R	/MPATHI/	MLTPTH	M	L REFENVMT
XU	Upper limits for X array integrators.	R	/INT/	INITS	M	L COMVID
		R	/INT/	INITC	M	L CORE
		R	/INT/	DISH2		L REFSEEK
XUS	Upper limits for X array integrators in search mode.	R	/INT/	INITS	M	L COMVID
		R	/INT/	RGTRAK		L COMVID
		R	/INT/	INITC	M	L CORE
		R	/INT/	INT2		L REFSEEK
XUT	Upper limits for X array integrators in terminal mode.	R	/INT/	INITS	M	L COMVID
		R	/INT/	INITC	M	L CORE
		R	/INT/	INT2		L REFSEEK
Y	Two dimensional array containing correlated gaussian processes.	R	/MPBLK3/	MPINIT	M	L REFENVMT
		R	/MPBLK3/	GAUBND	M	L REFENVMT
YAW	Previous value of body yaw in radians.	R	/KINE/	INITHR	M	L REFAIR
		R	/KINE/	INITMS	M	L REFAIR
		R	/KINE/	KINE2	M	L REFAIR

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
YDPGAN	Yaw differential channel processing gain.	R	/CDOTPR/	DOTPR	L_REFSEEK
		R	/CDOTPR/	DOTPRI	M L_REFSEEK
YERR	Seeker yaw error signal.	R	/ASYP/	DOTPR	M L_REFSEEK
YGS	Correlated gaussian process.	R	/RNDPR2/	INITE	M L_CORE
		R	/RNDPR2/	DNINTF	M L_REFENVMT
		R	/RNDPR2/	RAPR1	M L_REFENVMT
		R	/RNDPR2/	RAPR2	M L_REFENVMT
		R	/RNDPR2/	RAPR3	M L_REFENVMT
		R	/RNDPR2/	RAPR4	M L_REFENVMT
		R	/RNDPR2/	RAPR5	M L_REFENVMT
YM	Missile Y position in meters.	R	/ASE/	PLOTIT	L_LOCAL
		R	/ASE/	RGATE	L_COMVID
		R	/ASE/	SETUP	L_CONTRL
		R	/ASE/	INITC	M L_CORE
		R	/ASE/	INITE	L_CORE
		R	/ASE/	PLOTIT	L_CORE
		R	/ASE/	INT2	M L_REFSEEK
YSB	Target yaw angle off boresight in degrees.	R	/SKRENV/	PLOTIT	L_LOCAL
		R	/SKRENV/	RGATE	M L_COMVID
		R	/SKRENV/	MODPLX	L_COSRO
		R	/SKRENV/	MODXM3	L_MONO
		R	/SKRENV/	MLTPTH	L_REFENVMT
ZM	Missile Z position in meters.	R	/ASE/	MAIN	L_LOCAL
		R	/ASE/	AUTO3	L_AIR
		R	/ASE/	RGATE	L_COMVID
		R	/ASE/	SETUP	L_CONTRL
		R	/ASE/	INITC	M L_CORE
		R	/ASE/	INITE	L_CORE
		R	/ASE/	PLOTIT	L_CORE
		R	/ASE/	AUTO2	L_REPAIR
		R	/ASE/	INITHR	L_REPAIR
		R	/ASE/	INITMS	L_REPAIR
		R	/ASE/	MLTPTH	L_REFENVMT
		R	/ASE/	INT2	M L_REFSEEK
ZMAGD	Magnitude of multipath coefficient.	R	/MPATHI/	INITE	M L_CORE
		R	/MPATHI/	PLOTIT	M L_CORE
		R	/MPATHI/	ECMAMP	M L_ECM
		R	/MPATHI/	MLTPTH	M L_REFENVMT

APPENDIX C - SLQAPP Cross-Reference/Glossary

Symbol	Description	T	Common	Routine	L	File
ACON	Constant part of one-way range equation: $300 \cdot \lambda \cdot \text{PI}^2$	R	/SKRENV/	INITS	M	L COMVID
		R	/SKRENV/	AVGDAT		L CONTRL
		R	/SKRENV/	SETUP		L CONTRL
		R	/SKRENV/	MODPLX		L COSRO
ACTCON	Square root of the constant part of one-way range equation.	R	/APCONS/	AVGDAT		L CONTRL
		R	/APCONS/	SETUP		L CONTRL
		R	/APCONS/	MODXM3		L MONO
		R	/APCONS/	M3TRGI	M	L REFSEEK
AE	Work vector for scintillation model.	R	/MCSAS/	INITE	M	L CORE
AERR	Azimuth error signal in degrees/second.	R	/MCSAS/	AMERCS	M	L REFENVMT
		R	/PARAM/	INITS	M	L COMVID
		R	/PARAM/	DISH2	M	L REFSEEK
		R	/PARAM/	DISHM	M	L REFSEEK
AGCCON	Natural logarithm of 10.	R	/AGC/	INITS	M	L COMVID
		R	/AGC/	AGC2		L REFSEEK
AI	Work vector for scintillation model.	R	/MCSAS/	INITE	M	L CORE
		R	/MCSAS/	AMERCS	M	L REFENVMT
ALPH	Missile angle of attack in degrees.	R	/AIRSKR/	PLOTTT		L LOCAL
		R	/AIRSKR/	INITS		L COMVID
		R	/AIRSKR/	AERO2		L REFAIR
		R	/AIRSKR/	AERO3		L REFAIR
		R	/AIRSKR/	INITHR	M	L REFAIR
		R	/AIRSKR/	INITMS	M	L REFAIR
		R	/AIRSKR/	KINE2		L REFAIR
		R	/AIRSKR/	INT2	M	L REFSEEK
ALTMC	Midcourse altimeter setting in meters.	R	/AUTO/	AUTO3		L AIR
		R	/AUTO/	AUTO2		L REFAIR
		R	/AUTO/	INITHR	M	L REFAIR
		R	/AUTO/	INITMS	M	L REFAIR
		R	/MPBLK6/	MPINIT	M	L REFENVMT
ANGPSI	Previous value of PSISPC; used in ANGTS.	R	/MPBLK6/	ANGTS	M	L REFENVMT
ANTAZ	Azimuth angle for which interpolation is to be done in degrees.	R	/INTERP/	MODXM3	M	L MONO
		R	/INTERP/	MLTPTH	M	L REFENVMT
		R	/INTERP/	ANTI2	M	L REFSEEK
		R	/INTERP/	ANTNA2		L REFSEEK
ANTEL	Elevation angle for which interpolation is to be done in degrees.	R	/INTERP/	MODXM3	M	L MONO
		R	/INTERP/	MLTPTH	M	L REFENVMT
		R	/INTERP/	ANTI2	M	L REFSEEK
		R	/INTERP/	ANTNA2		L REFSEEK
APAT	Decoy azimuth antenna pattern array.	R	/DCOY/	INITS	M	L COMVID
		R	/DCOY/	AZPAT		L REFECM
ASP	Previous value of aspect angle in degrees.	R	/SCINT/	INITD	M	L CORE
		R	/SCINT/	INITE	M	L CORE
		R	/SCINT/	TARANG	M	L REFENVMT
AUTOGN	Gain for PSID feedback circuit. See also APPENDIX D.	R	/AUTO/	AUTO3		L AIR
		R	/AUTO/	INITHR	M	L REFAIR

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
AUTOL	Lower limits for PSID, THTD, DELP, or DELY. See also APPENDIX D.	R	/AUTO/	INITMS	M L_REFAIR
		R	/AUTO/	INITHR	M L_REFAIR
		R	/AUTO/	INITMS	M L_REFAIR
		R	/AUTO/	INT2	L_REFSEEK
AUTOU	Upper limits for PSID, THTD, DELP, or DELY. See also APPENDIX D.	R	/AUTO/	INITHR	M L_REFAIR
		R	/AUTO/	INITMS	M L_REFAIR
		R	/AUTO/	INT2	L_REFSEEK
		R	/ASVER/	DISHM	M L_REFSEEK
AUX2	Equivalenced to "YERR" (yaw error signal).				
AUX3	Seeker pitch error signal (before filtering).	R	/CDOTPR/	DOTPR	M L_REFSEEK
AVRUF	Sea roughness accumulator.	R	/VTEST1/	AVGDAT	M L_CONTRL
		R	/VTEST1/	HEADER2	L_CORE
AZ	Angle of threat off decoy boresight in azimuth degrees.	R	/DCOY/	ECMPAT	M L_ECM
AZDIFI	Azimuth difference pattern (imaginary part).	I	/PATRN4/	ANTI2	L_REFSEEK
		I	/PATRN4/	ANTNA2	L_REFSEEK
AZDIFR	Azimuth difference pattern (real part).	I	/PATRN3/	ANTI2	L_REFSEEK
		I	/PATRN3/	ANTNA2	L_REFSEEK
BCON	Part of range equation: 550.*XLMDA**2/PI4**2	R	/VCORE/	INITS	M L_COMVID
		R	/VCORE/	ECMAMP	L_ECM
BETA	Missile sideslip angle in degrees.	R	/AIRSKR/	PLOTTT	L_LOCAL
		R	/AIRSKR/	AERO2	L_REFAIR
		R	/AIRSKR/	AERO3	L_REFAIR
		R	/AIRSKR/	INITHR	M L_REFAIR
		R	/AIRSKR/	INITMS	M L_REFAIR
		R	/AIRSKR/	KINE2	L_REFAIR
		R	/AIRSKR/	INT2	M L_REFSEEK
		I	/SIGNAT/	MAIN	M L_LOCAL
		I	/SIGNAT/	PLOTTT	L_LOCAL
		I	/SIGNAT/	ASSESS	L_CONTRL
BLOCKR	Array which holds the "signature" parameters for run.	I	/SIGNAT/	RESTRT	L_CONTRL
		I	/SIGNAT/	SUMRY	L_CONTRL
		I	/SIGNAT/	HEADER1	L_CORE
		R	/MPBLK5/	MPINIT	M L_REFENVMT
		R	/MPBLK5/	MPMAIN	M L_REFENVMT
BNDWTH	Bandwidth of the "pass-band" in radians/second.	R	/CBSGAN/	AVGDAT	L_CONTRL
		R	/CBSGAN/	SETUP	L_CONTRL
		R	/CBSGAN/	ECMAMP	L_ECM
		R	/CBSGAN/	MODXM3	L_MONO
		R	/CBSGAN/	ANTI	M L_REFSEEK
		R	/CBSGAN/	ANTI2	M L_REFSEEK
CKTM	Multiplier to convert knots to meters/second.	R	/CONST/	SETUP	L_CONTRL
		R	/CONST/	INITC	M L_CORE
		R	/CONST/	INITE	L_CORE
		R	/CONST/	INITR	L_CORE

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
		R	/CONST/	DECOY	L REFTGT
		R	/CONST/	SHIP	L REFTGT
CLSVEL	Closing velocity. Will be needed for "moving multipath".	R	/MPATHI/	SETUP	L CONTRL
		R	/MPATHI/	INITE	M L CORE
CNTRFQ	RF spectrum center frequency in radians/second.	R	/MPBLK5/	MPINIT	M L REFENVM
		R	/MPBLK5/	MPMAIN	L REFENVM
COELEV	Elevation angle coefficient array.	R	/BARAS/	INITE	M L CORE
		R	/BARAS/	ELSTR	L REFENVM
COSPSI	Previous value of cosine of PSISPC; used in SIGTST.	R	/MPBLK6/	MPINIT	M L REFENVM
		R	/MPBLK6/	SIGTST	M L REFENVM
CPTCH	Previous value of cosine of pitch.	R	/KINE/	INITHR	M L REFAIR
		R	/KINE/	INITMS	M L REFAIR
		R	/KINE/	KINE2	M L REFAIR
CRTD	Multiplier to convert radians to degrees.	R	/CONST/	RGATE	L COMVID
		R	/CONST/	SETUP	L CONTRL
		R	/CONST/	INITC	M L CORE
		R	/CONST/	INITE	L CORE
		R	/CONST/	KINE2	L REFAIR
		R	/CONST/	AMERCS	L REFENVM
		R	/CONST/	SWITAN	L REFENVM
		R	/CONST/	TARANG	L REFENVM
		R	/CONST/	TCORSC	L REFENVM
		R	/CONST/	MLTPTH	L REFENVM
		R	/CONST/	SCAN2	L REFSEEK
		R	/CONST/	INT2	L REFSEEK
		R	/CONST/	DECOY	L REFTGT
		R	/CONST/	SHIP	L REFTGT
CSCAN	Cosine of beam scanner angle.	R	/SCAN/	MODPLX	L COSRO
		R	/SCAN/	MLTPTH	L REFENVM
		R	/SCAN/	SCAN2	M L REFSEEK
		R	/SCAN/	DEM0D2	L REFSEEK
CURLOC	Current location.	I	/MNLK/	MNLCKI	M L MONO
		I	/MNLK/	MNLOCK	M L REFSEEK
CYAW	Previous value of cosine of yaw.	R	/KINE/	INITHR	M L REFAIR
		R	/KINE/	INITMS	M L REFAIR
		R	/KINE/	KINE2	M L REFAIR
DIALPH	Angle of attack rate in degrees/second.	R	/AERO/	AERO2	M L REFAIR
		R	/AERO/	AERO3	M L REFAIR
		R	/AERO/	INITHR	M L REFAIR
		R	/AERO/	INITMS	M L REFAIR
		R	/AERO/	INT2	L REFSEEK
DLBETA	Sideslip rate in degrees/second.	R	/AERO/	AERO2	M L REFAIR
		R	/AERO/	AERO3	M L REFAIR
		R	/AERO/	INITHR	M L REFAIR
		R	/AERO/	INITMS	M L REFAIR
		R	/AERO/	INT2	L REFSEEK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L	File
DIDELP Elevator rate in degrees/second.	R	/AUTO/	AUTO3	M	L AIR
	R	/AUTO/	AUTO2	M	L REPAIR
	R	/AUTO/	INITHR	M	L REPAIR
	R	/AUTO/	INITMS	M	L REPAIR
	R	/AUTO/	INT2		L REFSEEK
DIDELY Rudder rate in degrees/second.	R	/AUTO/	AUTO3	M	L AIR
	R	/AUTO/	AUTO2	M	L REPAIR
	R	/AUTO/	INITHR	M	L REPAIR
	R	/AUTO/	INITMS	M	L REPAIR
	R	/AUTO/	INT2		L REFSEEK
DIPINT Pitch integrator input in degrees/second.	R	/AUTO/	AUTO3	M	L AIR
	R	/AUTO/	AUTO2	M	L REPAIR
	R	/AUTO/	INITHR	M	L REPAIR
	R	/AUTO/	INITMS	M	L REPAIR
	R	/AUTO/	INT2		L REFSEEK
DIPSI Yaw rate in degrees/second.	R	/AERO/	AUTO3		L AIR
	R	/AERO/	AERO2		L REPAIR
	R	/AERO/	AERO3		L REPAIR
	R	/AERO/	AUTO2		L REPAIR
	R	/AERO/	INITHR	M	L REPAIR
	R	/AERO/	INITMS	M	L REPAIR
	R	/AERO/	INT2	M	L REFSEEK
DIPSID Yaw base servo input in degrees/second.	R	/AUTO/	AUTO3	M	L AIR
	R	/AUTO/	AUTO2	M	L REPAIR
	R	/AUTO/	INITHR	M	L REPAIR
	R	/AUTO/	INITMS	M	L REPAIR
	R	/AUTO/	INT2		L REFSEEK
DIRALT Rate altimeter input in meters/second.	R	/AUTO/	AUTO3	M	L AIR
	R	/AUTO/	AUTO2	M	L REPAIR
	R	/AUTO/	INITHR	M	L REPAIR
	R	/AUTO/	INITMS	M	L REPAIR
	R	/AUTO/	INT2		L REFSEEK
DITHET Missile pitch rate in degrees/second.	R	/AERO/	AUTO3		L AIR
	R	/AERO/	AERO2		L REPAIR
	R	/AERO/	AERO3		L REPAIR
	R	/AERO/	AUTO2		L REPAIR
	R	/AERO/	INITHR	M	L REPAIR
	R	/AERO/	INITMS	M	L REPAIR
	R	/AERO/	INT2	M	L REFSEEK
DITHTD Pitch base servo input in degrees/second.	R	/AUTO/	AUTO3	M	L AIR
	R	/AUTO/	AUTO2	M	L REPAIR
	R	/AUTO/	INITHR	M	L REPAIR
	R	/AUTO/	INITMS	M	L REPAIR
	R	/AUTO/	INT2		L REFSEEK
DITHTL Yaw lead gyro rate in degrees/second.	R	/AUTO/	AUTO3	M	L AIR
	R	/AUTO/	AUTO2	M	L REPAIR

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
DZPSI	Missile yaw acceleration in degrees/ second**2.	R	/AUTO/	INITHR	M L_REPAIR
		R	/AUTO/	INITMS	M L_REPAIR
		R	/AUTO/	INT2	L_REFSEEK
		R	/AERO/	AERO2	M L_REPAIR
		R	/AERO/	AERO3	M L_REPAIR
DZTHET	Missile pitch acceleration in degrees/ second**2.	R	/AERO/	INITHR	M L_REPAIR
		R	/AERO/	INITMS	M L_REPAIR
		R	/AERO/	INT2	L_REFSEEK
		R	/AERO/	AERO2	M L_REPAIR
		R	/AERO/	AERO3	M L_REPAIR
DAPT	Antenna azimuth difference pattern. DAZTMP Equivalenced to "CVDOAZ".	R	/AERO/	INITHR	M L_REPAIR
		R	/AERO/	INITMS	M L_REPAIR
		R	/AERO/	INT2	L_REFSEEK
		I	/PATSYM/	ANTI	M L_REFSEEK
		R	/CV/	DOTPR	L_REFSEEK
DECTON	Decoy turn on time in seconds after launch.	R	/PARAM/	INIT2	M L_CORE
DELASP	Delta aspect angle in degrees.	R	/PARAM/	DECOY	L_REFTGT
		R	/SCINT/	INITE	M L_CORE
DELP	Elevator angle in degrees.	R	/SCINT/	TARANG	L_REFENVM
		R	/AERO/	PLOTIT	L_LOCAL
		R	/AERO/	AUTO3	L_AIR
		R	/AERO/	AERO2	L_REPAIR
		R	/AERO/	AERO3	L_REPAIR
		R	/AERO/	AUTO2	L_REPAIR
		R	/AERO/	INITHR	M L_REPAIR
		R	/AERO/	INITMS	M L_REPAIR
		R	/AERO/	INT2	M L_REFSEEK
		R	/INTERP/	ANTI2	M L_REFSEEK
DELPSI	Azimuth pattern stepsize in degrees.	R	/INTERP/	ANTNA2	L_REFSEEK
		R	/MCSAS/	DECHO	L_ASCINT
		R	/MCSAS/	INITE	M L_CORE
DELR	Peak magnitude difference at port and starboard. (db/m**2)	R	/MCSAS/	AMERCS	L_REFENVM
		R	/INTERP/	ANTI2	M L_REFSEEK
		R	/INTERP/	ANTNA2	L_REFSEEK
DELTHE	Elevation pattern stepsize in degrees.	R	/ASE/	SETUP	L_CONTRL
		R	/ASE/	INITC	M L_CORE
		R	/ASE/	INITE	L_CORE
		R	/ASE/	PLOTIT	L_CORE
		R	/ASE/	RCO	L_REFENVM
		R	/ASE/	TARANG	L_REFENVM
		R	/ASE/	INT2	L_REFSEEK
		R	/ASE/	LOCK2	L_REFSEEK
		R	/ASE/	MNLOCK	L_REFSEEK
		R	/CV/	DOTPR	L_REFSEEK
DELTIM	Model integration interval in seconds.	R	/AERO/	PLOTIT	L_LOCAL
DELTMP	Equivalenced to "CVDOEL".	R	/AERO/	AUTO3	L_AIR
DELY	Rudder angle in degrees.				

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/AERO/	AERO2	L_REPAIR
		R	/AERO/	AERO3	L_REPAIR
		R	/AERO/	AUTO2	L_REPAIR
		R	/AERO/	INITHR	M L_REPAIR
		R	/AERO/	INITMS	M L_REPAIR
		R	/AERO/	INT2	M L_REFSEEK
DEPT	Antenna elevation difference pattern.	I	/PATSYM/	ANTI	M L_REFSEEK
DIFAI	Imaginary part of azimuth difference pattern (Ohio State).	R	/INTOUT/	MODXM3	L_MONO
		R	/INTOUT/	ANTNNA	M L_REFSEEK
		R	/INTOUT/	ANTNNA2	M L_REFSEEK
DIPAR	Real part of azimuth difference pattern (Ohio State).	R	/INTOUT/	MODXM3	L_MONO
		R	/INTOUT/	ANTNNA	M L_REFSEEK
		R	/INTOUT/	ANTNNA2	M L_REFSEEK
DIPARR	Equivalence of azimuth difference pattern array (Ohio State).	I	/PATSYM/	ANTNNA	L_REFSEEK
DIFEI	Imaginary part of elevation difference pattern (Ohio State).	R	/INTOUT/	MODXM3	L_MONO
		R	/INTOUT/	ANTNNA	M L_REFSEEK
		R	/INTOUT/	ANTNNA2	M L_REFSEEK
DIPER	Real part of elevation difference pattern (Ohio State).	R	/INTOUT/	MODXM3	L_MONO
		R	/INTOUT/	ANTNNA	M L_REFSEEK
		R	/INTOUT/	ANTNNA2	M L_REFSEEK
DIPERR	Equivalence of elevation difference pattern array (Ohio State).	I	/PATSYM/	ANTNNA	L_REFSEEK
DIST	Miss distance in meters.	R	/SKR/	RGATE	M L_COMVID
		R	/SKR/	INITC	M L_CORE
DMX	Missile X directional derivative in meters/second.	R	/KINE/	KINE2	M L_REPAIR
		R	/KINE/	INT2	L_REFSEEK
DMY	Missile Y directional derivative in meters/second.	R	/KINE/	KINE2	M L_REPAIR
		R	/KINE/	INT2	L_REFSEEK
DMZ	Missile Z directional derivative in meters/second.	R	/KINE/	AUTO3	L_AIR
		R	/KINE/	AUTO2	L_REPAIR
		R	/KINE/	KINE2	M L_REPAIR
		R	/KINE/	INT2	L_REFSEEK
DRATIO	Specular-to-direct gain ratio.	R	/MPATHI/	MLTPTH	M L_REFENVMT
DRCO	Correlation filter coefficient.	R	/RNDPR2/	INITE	M L_CORE
		R	/RNDPR2/	RAPR1	L_REFENVMT
		R	/RNDPR2/	RAPR2	L_REFENVMT
		R	/RNDPR2/	RAPR3	L_REFENVMT
		R	/RNDPR2/	RAPR4	L_REFENVMT
		R	/RNDPR2/	RCO	M L_REFENVMT
DRCOM	Correlation filter coefficients.	R	/BARAS/	INITE	M L_CORE
		R	/BARAS/	RAPR5	L_REFENVMT
		R	/BARAS/	RCO	M L_REFENVMT
DRCOQ	Correlation filter coefficients.	R	/BARAS/	INITE	M L_CORE
		R	/BARAS/	RAPR5	L_REFENVMT
		R	/BARAS/	RCO	M L_REFENVMT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAFP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
DT	Simulation step size in seconds.	R	/MPBLK3/	MPINIT	M L_REFENMT
		R	/MPBLK3/	GAUBND	L_REFENMT
DTL	Platform motion update time increment in seconds.	R	/VCORE/	INITP	M L_REFECM
		R	/VCORE/	CHAFF	L_REFTGT
		R	/VCORE/	DECOY	L_REFTGT
		R	/VCORE/	SHIP	L_REFTGT
DTTEST	Range gate decision time with respect to launch time.	R	/VTEST1/	AVGDAT	L_CONTRL
		R	/VTEST1/	SETUP	M L_CONTRL
		R	/VTEST1/	HEDER1	L_CORE
DUTY	Decoy duty cycle in percent.	R	/DCOY/	PLOTIT	M L_LOCAL
		R	/DCOY/	PLOTIT	M L_CORE
DX	DX integration array.	R	/INT/	INITS	M L_COMVID
		R	/INT/	RGATE	M L_COMVID
		R	/INT/	RGTRAK	M L_COMVID
		R	/INT/	CONTRL	M L_CONTRL
		R	/INT/	INITC	M L_CORE
		R	/INT/	AGC2	M L_REFSEEK
		R	/INT/	INT2	L_REFSEEK
		R	/INT/	DEM0D2	M L_REFSEEK
		R	/INT/	D0TFR	M L_REFSEEK
		R	/INT/	DISH2	M L_REFSEEK
		R	/INT/	DISHM	M L_REFSEEK
		R	/INT/	LOCK2	M L_REFSEEK
		R	/INT/	MNLOCK	M L_REFSEEK
EL	Angle of threat off decoy boresight in elevation degrees.	R	/DCOY/	ECMPAT	M L_ECM
ELA	Decoy elevation angle at launch in degrees.	R	/DCOY/	INITD	M L_CORE
		R	/DCOY/	ECMPAT	L_ECM
ELDIPI	Elevation difference pattern (imaginary part).	I	/PATRN6/	ANTI2	L_REFSEEK
		I	/PATRN6/	ANTNA2	L_REFSEEK
ELDIFR	Elevation difference pattern (real part).	I	/PATRN5/	ANTI2	L_REFSEEK
		I	/PATRN5/	ANTNA2	L_REFSEEK
EMSQ	Ratio of steady return to average random power.	R	/BARAS/	INITE	M L_CORE
		R	/BARAS/	PRATIO	L_REFENMT
EPAT	Decoy elevation antenna pattern array.	R	/DCOY/	INITS	M L_COMVID
		R	/DCOY/	ELPAT	L_REFECM
EPS	Aspect angle where peak begins in degrees.	R	/MCSAS/	DECHO	L_ASCINT
		R	/MCSAS/	INITE	M L_CORE
		R	/MCSAS/	AMERCS	L_REFENMT
FACDAZ	Monopulse pattern normalizing factor. Dimensionless.	R	/INTOUT/	MODXM3	L_MONO
		R	/INTOUT/	ANTI	M L_REFSEEK
		R	/INTOUT/	ANTI2	M L_REFSEEK
FACDEL	Monopulse pattern normalizing factor. Dimensionless.	R	/INTOUT/	MODXM3	L_MONO
		R	/INTOUT/	ANTI	M L_REFSEEK
		R	/INTOUT/	ANTI2	M L_REFSEEK
FACSUM	Normalization constant for sum	R	/INTOUT/	MODXM3	L_MONO

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLCAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
	channel antenna gain. Dimensionless.	R	/INTOUT/	ANTI	M	L_REFSEEK
		R	/INTOUT/	ANTI2	M	L_REFSEEK
FGBEG	Beginning location of fine-grain (W or H) pulse string in microseconds.	R	/SLQ32/	HDT32	M	L_SLQ32
		R	/SLQ32/	HDTSET	M	L_SLQ32
FGEND	Ending location of fine-grain (W or H) pulse string in microseconds.	R	/SLQ32/	HDT32	M	L_SLQ32
		R	/SLQ32/	HDTSET	M	L_SLQ32
FGPLSW	Current fine-grain (W or H) pulsewidth in microseconds.	R	/SLQ32/	HDT32	M	L_SLQ32
		R	/SLQ32/	HDTSET	M	L_SLQ32
FGPRI	FRI of the current fine-grain (W or H) component in microseconds.	R	/SLQ32/	HDT32	M	L_SLQ32
		R	/SLQ32/	HDTSET	M	L_SLQ32
FI	Elevation argument for antenna interpolation routine in degrees.	R	/INTSVW/	MODM3	M	L_MONO
		R	/INTSVW/	ANTI	M	L_REFSEEK
		R	/INTSVW/	ANTNNA	M	L_REFSEEK
FLAT	Flat earth approximation flag. (T=Flat, F=Not valid)	L	/NEBLK1/	NPINIT	M	L_REFENWMT
		L	/NEBLK1/	NECDOM	M	L_REFENWMT
FRQCNF	Multipath bandpass center frequency in hertz.	R	/NEPATHI/	HEADER1	M	L_CORE
G	G array. Contains gain constants, etc. See also APPENDIX D.	R	/PARAM/	INITS	M	L_CONVID
		R	/PARAM/	HEADER2	M	L_CORE
		R	/PARAM/	INITC	M	L_CORE
		R	/PARAM/	DEM0D2	M	L_REFSEEK
		R	/PARAM/	DOTFR	M	L_REFSEEK
		R	/PARAM/	DISH2	M	L_REFSEEK
		R	/PARAM/	DISHM	M	L_REFSEEK
		R	/PARAM/	LOCK2	M	L_REFSEEK
		R	/PARAM/	MMLOCK	M	L_REFSEEK
GADR	Threat normalized receive gain.	R	/SKR/	PLOTIT	M	L_LOCAL
		R	/SKR/	INITE	M	L_CORE
		R	/SKR/	PLOTIT	M	L_CORE
		R	/SKR/	MODPLX	M	L_COSRO
		R	/SKR/	MODM3	M	L_MONO
		R	/SKR/	MLTPH	M	L_REFENWMT
GAINT	Threat normalized transmit gain.	R	/SKR/	PLOTIT	M	L_LOCAL
		R	/SKR/	INITE	M	L_CORE
		R	/SKR/	PLOTIT	M	L_CORE
		R	/SKR/	MODPLX	M	L_COSRO
		R	/SKR/	ECMAMP	M	L_ECM
		R	/SKR/	MODM3	M	L_MONO
		R	/SKR/	MLTPH	M	L_REFENWMT
GAME	Work vector for scintillation model.	R	/MCSAS/	INITE	M	L_CORE
		R	/MCSAS/	AMERCS	M	L_REFENWMT
GAMI	Work vector for scintillation model.	R	/MCSAS/	INITE	M	L_CORE
		R	/MCSAS/	AMERCS	M	L_REFENWMT
GC	AGC signal gain constant.	R	/AGC/	INITS	M	L_CONVID
		R	/AGC/	MODPLX	M	L_COSRO
		R	/AGC/	MODM3	M	L_MONO

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
GPEAK	Decoy antenna peak gain in db.	R	/AGC/	AGC2	M L_REFSEEK
		R	/DCOY/	INITS	M L_COMVID
		R	/DCOY/	SETUP	L_CONTRL
		R	/DCOY/	ECMPAT	L_ECM
GR	Decoy antenna gain in threat direction in db.	R	/DCOY/	ECMAMP	M L_ECM
		R	/DCOY/	ECMPAT	M L_ECM
		R	/MPATHI/	RGATE	M L_COMVID
GRDRG	Ground range from target to missile in meters.	R	/MPATHI/	INITE	M L_CORE
		R	/MPATHI/	MLTPTH	L_REFENVM
		R	/MPATHI/	MLTPTH	M L_REFENVM
GRSP	Threat receive gain at the specular point.	R	/CONST/	INITC	M L_CORE
GTMS	Multiplier to convert "g"s to meters per second**2.	R	/CONST/	INITR	L_CORE
GTSP	Threat transmit gain at the specular point.	R	/MPATHI/	MLTPTH	M L_REFENVM
HCFIAG	Flag. 'T' indicates generate H component.	L	/SLQ32/	PLOTIT	L_CORE
		L	/SLQ32/	HDT32	L_SLQ32
		L	/SLQ32/	HDTSET	M L_SLQ32
HCFISW	H component pulswidth in microseconds.	R	/SLQ32/	HDTSET	L_SLQ32
		R	/SLQ32/	INISLQ	M L_SLQ32
HCFRI	The H component PRI in microseconds.	R	/SLQ32/	HDTSET	L_SLQ32
		R	/SLQ32/	INISLQ	M L_SLQ32
HCFWR	The ERP of the H component transmitter in watts.	R	/SLQ32/	HDTSET	L_SLQ32
		R	/SLQ32/	INISLQ	M L_SLQ32
HEADID	Alphanumeric array for header ID.	D	/LOGCOM/	SNLOG	M L_CONTRL
HELEV	Ship's hull height above water line in meters.	R	/BARAS/	INITE	M L_CORE
		R	/BARAS/	ELSTR	L_REFENVM
HITCNT	Hit count.	I	/MNLK/	MNLCKI	M L_MONO
HLFTIM	Time in seconds for RGPO program to complete half its cycle.	I	/MNLK/	MNLOCK	M L_REFSEEK
		R	/SLQ32/	INISLQ	M L_SLQ32
HOPFIM	Length of time in seconds that H component is turned off.	R	/SLQ32/	RGPO32	M L_SLQ32
		R	/SLQ32/	HDTSET	L_SLQ32
HONTIM	Length of time in seconds that H component is transmitted.	R	/SLQ32/	INISLQ	M L_SLQ32
		R	/SLQ32/	HDTSET	L_SLQ32
HSTART	Time of H pulse train relative to range gate in microseconds.	R	/SLQ32/	INISLQ	M L_SLQ32
		R	/SLQ32/	HDT32	L_SLQ32
		R	/SLQ32/	HDTSET	M L_SLQ32
HTRAIL	Time in microseconds that start of H component trails target.	R	/SLQ32/	INISLQ	M L_SLQ32
		R	/SLQ32/	HDTSET	L_SLQ32
IBOW	Flag. 1 indicates bow depression.	I	/BARAS/	INITE	M L_CORE
		I	/BARAS/	AMERCS	L_REFENVM
ICHANG	Flag. 1 indicates change in aspect greater than T(35).	I	/DISTYP/	INITE	M L_CORE
		I	/DISTYP/	MIXPR	L_REFENVM
		I	/DISTYP/	SCINT2	L_REFENVM
		I	/DISTYP/	TARANG	M L_REFENVM

NOTES: *M* column indicates variable is modified.

T column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
IDPLOY	Target deployment flag. See also APPENDIX D.	I	/VCORE/	RGATE	L COMVID
		I	/VCORE/	AVGDAT	L CONTRL
		I	/VCORE/	PLOTIT	L CORE
		I	/VCORE/	MODPLX	L COSRO
		I	/VCORE/	MODXM3	L MONO
		I	/VCORE/	VUGATE	L SLQ32
		I	/VCORE/	INITP	M L REFECM
		I	/VCORE/	ABOARD	M L REFTGT
		I	/VCORE/	CHAFF	M L REFTGT
		I	/VCORE/	DECOY	M L REFTGT
IFFAIR	Flag. 1 disables autopilot and aerodynamics.	I	/AIRSKR/	AUTO3	L AIR
		I	/AIRSKR/	INITC	M L CORE
		I	/AIRSKR/	AERO2	L REFAIR
		I	/AIRSKR/	AERO3	L REFAIR
		I	/AIRSKR/	AUTO2	L REFAIR
		I	/AIRSKR/	DISH2	L REFSEEK
		I	/AIRSKR/	DISHM	L REFSEEK
		I	/AIRSKR/	AUTO3	M L AIR
IFFALT	Flag. 1 disables altimeters (terminal mode).	I	/AIRSKR/	INITC	M L CORE
		I	/AIRSKR/	AUTO2	M L REFAIR
		I	/AIRSKR/	INT2	L REFSEEK
		I	/AIRSKR/	DISH2	L REFSEEK
		I	/AIRSKR/	DISHM	L REFSEEK
		I	/AIRSKR/	INIT2	M L CORE
IFFANT	Flag. Selects threat antenna: 1=Cosro, 2=APQ-112, 3=Ohio State.	I	/AIRSKR/	MLTPH	L REFENVMT
		I	/AIRSKR/	INITM	L REFSEEK
		I	/AIRSKR/	AIR	L AIR
IFFATP	Flag. Selects airframe type: 0=MSE; 1=HRB light; 2=HRB heavy; 3=ARM.	I	/AIRSKR/	INITC	M L CORE
		I	/AIRSKR/	INITA	L REFAIR
		I	/DCOY/	MAIN	L LOCAL
IFFBTH	Flag. Selects threat type: 1=Baseline. 2=Typical. 3=Hardened.	I	/DCOY/	PLOTIT	L LOCAL
		I	/DCOY/	AUTO3	L AIR
		I	/DCOY/	COMPVD	L COMVID
		I	/DCOY/	INITS	L COMVID
		I	/DCOY/	RGATEI	L COMVID
		I	/DCOY/	RGTRAK	L COMVID
		I	/DCOY/	AVGDAT	L CONTRL
		I	/DCOY/	SETUP	L CONTRL
		I	/DCOY/	HEDER1	L CORE
		I	/DCOY/	INIT2	M L CORE
		I	/DCOY/	INITC	L CORE
		I	/DCOY/	ECMAMP	L ECM
		I	/DCOY/	ECMPAT	L ECM
		I	/DCOY/	MODXM3	L MONO
		I	/DCOY/	HDT32	L SLQ32
IFFCHP	Flag. 1 switches on demodulator	I	/AIRSKR/	INITC	M L CORE

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
	chopper outputs.	I	/AIRSKR/	DEM0D2	M	L REFSEEK
		I	/AIRSKR/	DOTPR	M	L REFSEEK
IFFDCP	Flag. 1 switches on pitch demodulator chopper.	I	/AIRSKR/	INITC	M	L CORE
		I	/AIRSKR/	DEM0D2	M	L REFSEEK
IFFDCY	Flag. 1 switches on yaw demodulator chopper.	I	/AIRSKR/	INITC	M	L CORE
		I	/AIRSKR/	DEM0D2	M	L REFSEEK
IFFDUP	Flag. 1 indicates completion of dish pitch-up.	I	/AIRSKR/	INITC	M	L CORE
		I	/AIRSKR/	DISH2	M	L REFSEEK
		I	/AIRSKR/	DISHM	M	L REFSEEK
IFFGLT	Flag. 1 enables simulation of glint.	I	/AIRSKR/	INITC	M	L CORE
IFFLGY	Flag. 1 uncages lead gyro.	I	/AIRSKR/	AUTO3		L AIR
		I	/AIRSKR/	INITC	M	L CORE
		I	/AIRSKR/	AUTO2		L REFAIR
		I	/AIRSKR/	DISH2	M	L REFSEEK
		I	/AIRSKR/	DISHM	M	L REFSEEK
IFFRGT	Flag. 1 bypasses prediction gate 2.5 seconds after seeker turn-on.	I	/AIRSKR/	RGATE	M	L COMVID
		I	/AIRSKR/	INITC	M	L CORE
IFFRAT	Flag. G rate. 0=MSE.(others HRB) 1=2PZY, 2=3PZY, 3=3P5Y, 4=3P9Y.	I	/AIRSKR/	AUTO3		L AIR
		I	/AIRSKR/	INITC	M	L CORE
		I	/AIRSKR/	INITA		L REFAIR
		I	/AIRSKR/	INITHR		L REFAIR
IFFTRM	Flag. 1 indicates seeker activation.	I	/AIRSKR/	MAIN	M	L LOCAL
		I	/AIRSKR/	RGTRAK		L COMVID
		I	/AIRSKR/	INITC	M	L CORE
		I	/AIRSKR/	DISH2		L REFSEEK
		I	/AIRSKR/	DISHM		L REFSEEK
IFTC	Flag. 1 bypasses first time thru path in subroutine AMERCS.	I	/MCSAS/	INITE	M	L CORE
		I	/MCSAS/	AMERCS	M	L REFENVMT
IMODEL	Model identifier suffix.	I	/LOGCOM/	SNLOG		L CONTRL
INGATE	Target in range gate flag. 0=Not in gate, 1=In gate.	I	/RGAT/	RGATE	M	L COMVID
INTBIN	Array of integer bins to save data for restart.	I	/VTEST1/	ASSESS		L CONTRL
		I	/VTEST1/	RESTRT	M	L CONTRL
IPLAT	Target platform identifier. 0=Skip, 1=Ship, 2=Decoy, 3=Chaff.	I	/VCORE/	INIT2	M	L CORE
		I	/VCORE/	INITP	M	L REFECM
		I	/VCORE/	SCINT2		L REFENVMT
		I	/VCORE/	TARGET		L REFTGT
IPOL	Polarization of incident wave; 1=V, 2=H.	I	/MPATHI/	SETUP		L CONTRL
		I	/MPATHI/	INITE	M	L CORE
IRG	Density type. 1=Chi Sq, 2=Rayleigh, 3=Lognormal, 4=Rice, 5=Mixed.	I	/DISTYP/	DECHO		L ASCINT
		I	/DISTYP/	INITE	M	L CORE
		I	/DISTYP/	DNINTF		L REFENVMT
		I	/DISTYP/	MIXPR		L REFENVMT
		I	/DISTYP/	MNTOMD		L REFENVMT
		I	/DISTYP/	PRATIO		L REFENVMT
		I	/DISTYP/	RCO		L REFENVMT

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX C - SLCAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
IRPT	Pulse counter.	I	/DISTYP/	SCINT2	L_REFENVMT
		I	/DISTYP/	TARDEN M	L_REFENVMT
		I	/PRINT/	PLOTIT M	L_LOCAL
		I	/PRINT/	INITD M	L_CORE
IRUN	Overnight run number (for different seeds.)	I	/PRINT/	PLOTIT M	L_CORE
		I	/PRINT/	MAIN M	L_LOCAL
		I	/PRINT/	DECHO	L_ASCINT
		I	/PRINT/	INITS	L_COMVID
		I	/PRINT/	ASSESS	L_CONTRL
		I	/PRINT/	MEMO	L_CONTRL
		I	/PRINT/	RESTRT M	L_CONTRL
		I	/PRINT/	TIMER	L_CONTRL
		I	/PRINT/	HEADER1	L_CORE
		I	/PRINT/	HEADER2	L_CORE
		I	/PRINT/	INIT2	L_CORE
		I	/PRINT/	INITE	L_CORE
		I	/PRINT/	TCORSC	L_REFENVMT
		I	/BARAS/	INITE M	L_CORE
		I	/BARAS/	MIXPR	L_REFENVMT
		I	/BARAS/	MNTOMD	L_REFENVMT
ISCINT	Indicates probability density type. See also APPENDIX D.	I	/BARAS/	RAPR5	L_REFENVMT
		I	/BARAS/	RCO	L_REFENVMT
		I	/BARAS/	SWITAN	L_REFENVMT
		I	/BARAS/	TARDEN	L_REFENVMT
		J	/MPBLK3/	MPINIT M	L_REFENVMT
		J	/MPBLK3/	GAUBND	L_REFENVMT
		J	/MPBLK3/	MPINIT M	L_REFENVMT
		J	/MPBLK3/	GAUBND	L_REFENVMT
		J	/MPATHI/	SETUP	L_CONTRL
		J	/MPATHI/	INITE	L_CORE
		J	/MPATHI/	SETUP	L_CONTRL
		J	/MPATHI/	INITE	L_CORE
		I	/PRINT/	MAIN M	L_LOCAL
		I	/PRINT/	DECHO	L_ASCINT
		I	/PRINT/	ASSESS	L_CONTRL
		I	/PRINT/	MEMO	L_CONTRL
ISEED1	Random seed.	I	/PRINT/	RESTRT M	L_CONTRL
		I	/PRINT/	SUMMR	L_CONTRL
		I	/PRINT/	TIMER	L_CONTRL
		I	/PRINT/	HEADER1	L_CORE
		I	/PRINT/	INIT2	L_CORE
		I	/DCOY/	RGATE	L_COMVID
		I	/DCOY/	CONTRL	L_CONTRL
		I	/DCOY/	INIT2 M	L_CORE
		I	/DCOY/	INITR	L_CORE
		I	/DCOY/	INISLQ	L_SLQ32
ISEED2	Random seed.				
ISEEDA	1st seed. Will be required by multipath simulation.				
ISEEDB	2nd seed. Will be required by multipath simulation.				
ISET	Index for outermost loop of driver program.				
ISKIP	Flag. 0 bypasses unused targets.				

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		I	/DCOY/	VUGATE	L SLQ32
		I	/DCOY/	INITP	L_REFECM
		I	/DCOY/	SCINT2	L_REFENVMT
		I	/DCOY/	CHAFF	M L_REFTGT
		I	/DCOY/	DECOY	M L_REFTGT
ISNAED	Serial number of the present run (0 if not logged).	I	/LOGCOM/	SNLOG	M L_CONTRL
ISUM	Intermediate calculation in PRINT2 subroutine.	I	/DCOY/	INITD	M L_CORE
		I	/DCOY/	PLOTIT	M L_CORE
LASTN	Size of last lock-logic shift register.	I	/MNLK/	MNLCKI	M L_MONO
		I	/MNLK/	MNLOCK	M L_REFSEEK
LBLOCK	Dummy buffer for logical flags.	L	/LFLAG2/	INIT2	M L_CORE
LMPATH	Flag. T enables multipath simulation. Read in INIT2.	L	/LFLAG2/	INITE	L_CORE
		L	/LFLAG2/	MODPLX	L_COSRO
		L	/LFLAG2/	ECMAMP	L_ECM
		L	/LFLAG2/	MODXM3	L_MONO
LOCKM	Value of m for the m-out-of-n criterion.	I	/MNLK/	MNLCKI	M L_MONO
		I	/MNLK/	MNLOCK	L_REFSEEK
LOCKN	Value of n for the m-out-of-n criterion.	I	/MNLK/	MNLCKI	M L_MONO
		I	/MNLK/	MNLOCK	L_REFSEEK
LOGNAM	Array containing name of the log file.	I	/SIGNAT/	MAIN	L_LOCAL
LOMNI	Flag. T implies omnidirectional decoy antenna. Read in INIT2.	L	/LFLAG2/	SETUP	L_CONTRL
		L	/LFLAG2/	ECMPAT	L_ECM
LPLOT	Flag. T enables plotting. Read in INIT2.	L	/LFLAG2/	MAIN	L_LOCAL
		L	/LFLAG2/	PLOTIT	L_LOCAL
		L	/LFLAG2/	HEADER1	L_CORE
		L	/LFLAG2/	HEADER2	L_CORE
		L	/LFLAG2/	PLOTIT	L_CORE
LPRINT	Flag. T enables printing of "RESULT" file. Read in INIT2.	L	/LFLAG2/	MAIN	L_LOCAL
		L	/LFLAG2/	DECHO	L_ASCINT
		L	/LFLAG2/	HEADER1	L_CORE
		L	/LFLAG2/	HEADER2	L_CORE
		L	/LFLAG2/	ECMAMP	L_ECM
LRPEAT	Flag. T sets ARG1 to 1.0 in subroutine DECOY1. Read in INIT2.	L	/LFLAG2/	MAIN	L_LOCAL
		L	/LFLAG2/	INIT2	L_CORE
LSCINT	Flag. T implies scintillation. Read in INIT2.	L	/LFLAG2/	MAIN	L_LOCAL
		L	/LFLAG2/	INIT2	L_CORE
LSEED	Array of sub-cycle seeds.	J	/RNGCOM/	RANDOM	M L_REFENVMT
		J	/RNGCOM/	INIRAN	M L_REFENVMT
LSTOP	Flag. T stops run when ship is out of range gate. Read in INIT2.	L	/LFLAG2/	CONTRL	L_CONTRL
LTIMER	Flag. T shuts down run during working hours. Read in INIT2.	L	/LFLAG2/	MAIN	L_LOCAL
MDLSPC	Flag indicating model to be used (0=Brown model, 1=Fast empirical).	I	/MPBLK4/	MPINIT	M L_REFENVMT
		I	/MPBLK4/	MPMAIN	L_REFENVMT
MODE	Flag. 1=Search, 2=Acquisition, 3=Track, 4=Drop track.	I	/AIRSKR/	PLOTIT	L_LOCAL
		I	/AIRSKR/	AUTO3	L_AIR

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		I	/AIRSKR/	COMPVD	L_COMVID
		I	/AIRSKR/	INITS	M L_COMVID
		I	/AIRSKR/	RGATE	L_COMVID
		I	/AIRSKR/	RGTRAK	L_COMVID
		I	/AIRSKR/	ASSESS	L_CONTRL
		I	/AIRSKR/	CONTRL	M L_CONTRL
		I	/AIRSKR/	HEADER2	L_CORE
		I	/AIRSKR/	PLOTIT	L_CORE
		I	/AIRSKR/	HDT32	L_SLQ32
		I	/AIRSKR/	HDTSET	L_SLQ32
		I	/AIRSKR/	RGPO32	L_SLQ32
		I	/AIRSKR/	VUGATE	L_SLQ32
		I	/AIRSKR/	AUTO2	L_REFAIR
		I	/AIRSKR/	DLPLSE	L_REFECM
		I	/AIRSKR/	INT2	L_REFSEEK
		I	/AIRSKR/	DEM0D2	L_REFSEEK
		I	/AIRSKR/	DOTPR	L_REFSEEK
		I	/AIRSKR/	DISH2	L_REFSEEK
		I	/AIRSKR/	DISHM	L_REFSEEK
		I	/AIRSKR/	LOCK2	M L_REFSEEK
		I	/AIRSKR/	MNLOCK	M L_REFSEEK
		I	/VCORE/	RGATE	L_COMVID
		I	/VCORE/	INIT2	M L_CORE
		I	/VCORE/	INITE	L_CORE
		I	/VCORE/	INITR	L_CORE
		I	/VCORE/	MODPLX	L_COSRO
		I	/VCORE/	ECMDLY	L_ECM
		I	/VCORE/	ECMPAT	L_ECM
		I	/VCORE/	MODXM3	L_MONO
		I	/VCORE/	INISLQ	L_SLQ32
		I	/VCORE/	INITP	M L_REFECM
		I	/VCORE/	SCINT2	L_REFENVMT
		I	/DCOY/	INITD	M L_CORE
MS	Random seed.	I	/CV/	COMPVD	M L_COMVID
N14	The number of complex video segments in the early gate.	I	/CV/	RGTRAK	L_COMVID
NAZ	Number of grid points in azimuth field of view.	I	/INTERP/	ANTI2	M L_REFSEEK
		I	/INTERP/	ANTNA2	L_REFSEEK
NC	Pulse counter in print routine.	I	/PRINT/	PLOTIT	M L_LOCAL
		I	/PRINT/	INITC	M L_CORE
		I	/PRINT/	PLOTIT	M L_CORE
NCLTBG	Starting index for sea clutter edge data to be sorted.	I	/PRECV/	COMPVD	L_COMVID
		I	/PRECV/	INITE	M L_CORE
		I	/PRECV/	PLOTIT	L_CORE
		I	/PRECV/	MODPLX	M L_COSRO
		I	/PRECV/	MODXM3	M L_MONO
		I	/PRECV/	HDT32	L_SLQ32

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAFP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
NCLTEN	Last index for sea clutter edge data to be sorted.	I	/PRECV/	HDTSET	L SLQ32
		I	/PRECV/	COMPVD	L COMVID
		I	/PRECV/	INITE	M L CORE
		I	/PRECV/	PLOTIT	L CORE
		I	/PRECV/	MODPLX	M L COSRO
		I	/PRECV/	MODXM3	M L MONO
		I	/PRECV/	HDT32	M L SLQ32
		I	/PRECV/	HDTSET	M L SLQ32
NDFAIL	Number of accumulated failures.	I	/VTEST1/	ASSESS	M L CONTRL
		I	/VTEST1/	RESTRT	M L CONTRL
		I	/VTEST1/	SUMMR	L CONTRL
NDSUCC	Number of accumulated successes.	I	/VTEST1/	ASSESS	M L CONTRL
		I	/VTEST1/	RESTRT	M L CONTRL
		I	/VTEST1/	SUMMR	L CONTRL
NEL	Number of grid points in elevation field of view.	I	/INTERP/	ANTI2	M L REFSEEK
NFSEED	If zero, 1st seed is random. If positive, 1st seed is repeatable.	I	/RNDPR2/	INIT2	M L CORE
		I	/RNDPR2/	INITE	L CORE
NINGAT	Number of targets appearing in the range gate.	I	/RGAT/	RGATE	M L COMVID
		I	/RGAT/	MODPLX	L COSRO
		I	/RGAT/	MODXM3	L MONO
NIX	Number of integer bins to be used.	I	/VTEST1/	MAIN	M L LOCAL
		I	/VTEST1/	ASSESS	L CONTRL
		I	/VTEST1/	RESTRT	M L CONTRL
NLKONS	Number of lock-on's (transitions into mode 3).	I	/VTEST1/	CONTRL	M L CONTRL
		I	/VTEST1/	HEADER2	L CORE
		I	/VTEST1/	PLOTIT	L CORE
NP	Print interval in number of pulses.	I	/PRINT/	PLOTIT	M L LOCAL
		I	/PRINT/	INITC	M L CORE
		I	/PRINT/	PLOTIT	M L CORE
NS	Pulse counter.	I	/PRINT/	PLOTIT	M L LOCAL
		I	/PRINT/	INITC	M L CORE
		I	/PRINT/	PLOTIT	M L CORE
NT	Number of records printed.	I	/PRINT/	PLOTIT	M L LOCAL
		I	/PRINT/	HEADER2	L CORE
		I	/PRINT/	INITC	M L CORE
NTARG	Total number of targets (active plus passive).	I	/PRINT/	PLOTIT	M L CORE
		I	/SKRENV/	RGATE	L COMVID
		I	/SKRENV/	CONTRL	L CONTRL
		I	/SKRENV/	SETUP	L CONTRL
		I	/SKRENV/	INIT2	M L CORE
		I	/SKRENV/	INITE	L CORE
		I	/SKRENV/	INITR	L CORE
		I	/SKRENV/	MODPLX	L COSRO
		I	/SKRENV/	MODXM3	L MONO
		I	/SKRENV/	HDT32	L SLQ32

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		I	/SKRENV/	HDTSET	L SLQ32
		I	/SKRENV/	INISLQ	L SLQ32
		I	/SKRENV/	VUGATE	L SLQ32
		I	/SKRENV/	INITP	L REFECM
		I	/SKRENV/	SCINT2	L REFENVMT
		I	/SKRENV/	TARGET	L REFTGT
NTOI	Pointer to show which target is the nth target in the gate.	I	/RGAT/	RGATE	M L COMVID
		I	/RGAT/	MODPLX	L COSRO
		I	/RGAT/	MODXM3	L MONO
NTPTS	Number of test points for accumulating averages.	I	/VTEST1/	AVGDAT	M L CONTRL
NVID	Total number of complex video signal edges to be sorted.	I	/PRECV/	COMPVD	L COMVID
		I	/PRECV/	MODPLX	M L COSRO
		I	/PRECV/	MODXM3	M L MONO
		I	/PRECV/	HDT32	L SLQ32
NVIDEO	The number of complex video segments in the range gate.	I	/CV/	COMPVD	M L COMVID
		I	/CV/	RGTRAK	L COMVID
		I	/CV/	PLOTIT	L CORE
		I	/CV/	VUGATE	L SLQ32
		I	/CV/	DOTPR	L REFSEEK
		I	/CV/	M3SATV	L REFSEEK
NVX	Number of variable bins to be used.	I	/VTEST1/	MAIN	M L LOCAL
		I	/VTEST1/	ASSESS	L CONTRL
		I	/VTEST1/	RESTRT	M L CONTRL
NWSEGS	Number of segments into which each W component ramp is divided.	I	/SLQ32/	HDT32	L SLQ32
		I	/SLQ32/	INISLQ	M L SLQ32
ONEPAS	Flag. T=Shift register filled, F=Not filled.	L	/MNLK/	MNLCKI	M L MONO
		L	/MNLK/	MNLOCK	M L REFSEEK
P	Plot array.	R	/PRINT/	PLOTIT	M L LOCAL
		R	/PRINT/	PLOTIT	M L CORE
PASCON	Square root of the constant part of the two-way range equation.	R	/APCONS/	AVGDAT	L CONTRL
		R	/APCONS/	SETUP	L CONTRL
		R	/APCONS/	MODXM3	L MONO
		R	/APCONS/	M3TRGI	M L REFSEEK
PCON	Part of 2-way range equation: 550.*300.*SKRFWR*XLMDA**2/PI4**3	R	/SKRENV/	INITS	M L COMVID
		R	/SKRENV/	AVGDAT	L CONTRL
		R	/SKRENV/	SETUP	L CONTRL
		R	/SKRENV/	MODPLX	L COSRO
PDPGAN	Pitch differential channel processing gain.	R	/CDOTPR/	DOTPR	L REFSEEK
		R	/CDOTPR/	DOTPRI	M L REFSEEK
PERR	Seeker pitch error signal in degrees/second.	R	/AIRSKR/	AUTO3	L AIR
		R	/AIRSKR/	INITS	M L COMVID
		R	/AIRSKR/	AUTO2	L REFAIR
		R	/AIRSKR/	DEM0D2	M L REFSEEK
		R	/AIRSKR/	DOTPR	M L REFSEEK
PGATE	Equivalenced to X(19). (prediction	R	/INT/	RGATE	L COMVID

NOTES: "M" column indicates variable is modified.

"T" column heading indicates type attribute.

APPENDIX C - SLCAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
	gate - leading edge.)					
PGATEN	Prediction gate trailing edge in microseconds.	R	/RGAT/	RGATE	M	L_COMVID
PINT	Pitch integrator output in degrees.	R	/AUTO/	AUTO3		L_AIR
		R	/AUTO/	AUTO2		L_REFAIR
		R	/AUTO/	INITHR	M	L_REFAIR
		R	/AUTO/	INITMS	M	L_REFAIR
		R	/AUTO/	INT2	M	L_REFSEEK
PLSDEL	Minimum pulse width to be reported as a separate slice in microseconds.	R	/PRECV/	COMPVD		L_COMVID
POLFLG	Polarization Flag. 1=Vertical. 0=Horizontal.	I	/MPBLK2/	MPINIT	M	L_REFENVMT
		I	/MPBLK2/	MPMAIN		L_REFENVMT
PSB	Target pitch angle off boresight in degrees.	R	/SKR/	RGATE	M	L_COMVID
		R	/SKR/	PLOTIT		L_CORE
		R	/SKR/	MODPLX		L_COSRO
		R	/SKR/	MODXM3		L_MONO
PSI	Missile yaw angle in degrees.	R	/AIRSKR/	PLOTIT		L_LOCAL
		R	/AIRSKR/	AUTO3		L_AIR
		R	/AIRSKR/	RGATE		L_COMVID
		R	/AIRSKR/	CONTRL		L_CONTRL
		R	/AIRSKR/	PLOTIT		L_CORE
		R	/AIRSKR/	AUTO2		L_REFAIR
		R	/AIRSKR/	INITHR	M	L_REFAIR
		R	/AIRSKR/	INITMS	M	L_REFAIR
		R	/AIRSKR/	KINE2		L_REFAIR
		R	/AIRSKR/	INT2	M	L_REFSEEK
PSIB	Dish yaw angle relative to missile body in degrees.	R	/AIRSKR/	AUTO3		L_AIR
		R	/AIRSKR/	INTS	M	L_COMVID
		R	/AIRSKR/	AUTO2		L_REFAIR
		R	/AIRSKR/	INT2	M	L_REFSEEK
PSID	Yaw base servo output in degrees.	R	/AUTO/	AUTO3		L_AIR
		R	/AUTO/	AUTO2		L_REFAIR
		R	/AUTO/	INITHR	M	L_REFAIR
		R	/AUTO/	INITMS	M	L_REFAIR
		R	/AUTO/	INT2	M	L_REFSEEK
PSIMAX	Maximum azimuth angle stored in degrees.	R	/INTERP/	ANTI2	M	L_REFSEEK
PSIMIN	Minimum azimuth angle stored in degrees.	R	/INTERP/	ANTI2	M	L_REFSEEK
		R	/INTERP/	ANTI2	M	L_REFSEEK
PSISPC	Specular angle in radians.	R	/MPATHI/	AVGDAT		L_CONTRL
		R	/MPATHI/	MLTPTH		L_REFENVMT
PICH	Previous value of body pitch in radians.	R	/KINE/	INITHR	M	L_REFAIR
		R	/KINE/	INITMS	M	L_REFAIR
		R	/KINE/	KINE2	M	L_REFAIR
PULST	Leading edge of the complex video slice in microseconds.	R	/CV/	COMPVD	M	L_COMVID
		R	/CV/	VUGATE		L_SLQ32

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
PULSW	Pulse width of the complex video slice in microseconds.	R	/CV/	COMPVD M	L COMVID
		R	/CV/	RGTRAK	L COMVID
		R	/CV/	DOTPR	L REFSEEK
RALT	Rate altimeter output in meters.	R	/AUTO/	AUTO3	L AIR
		R	/AUTO/	AUTO2	L REFAIR
		R	/AUTO/	INITHR M	L REFAIR
		R	/AUTO/	INITMS M	L REFAIR
		R	/AUTO/	INT2 M	L REFSEEK
RANGE	Range from ship to missile in meters.	R	/SKRENV/	RGATE M	L COMVID
		R	/SKRENV/	AVGDAT	L CONTRL
		R	/SKRENV/	INITE M	L CORE
		R	/SKRENV/	MODPLX	L COSRO
		R	/SKRENV/	ECMAMP	L ECM
		R	/SKRENV/	MODXM3	L MONO
		R	/SKRENV/	INITHR M	L REFAIR
		R	/SKRENV/	INITMS M	L REFAIR
RANQQ	Current random seed. (Do not alter.)	D	/RANCOM/	RANDOM M	L CORE
		D	/RANCOM/	INIRAN M	L CORE
RCOS	Cosine of a random phase angle (the same angle as RSIN).	R	/CRNDSC/	MODPLX	L COSRO
		R	/CRNDSC/	MODXM3	L MONO
		R	/CRNDSC/	RNDSC M	L REFSEEK
RDDOT	Range gate acceleration limit in microseconds/second**2.	R	/PARAM/	RGTRAK	L COMVID
		R	/PARAM/	INIT2 M	L CORE
RDOTLM	Range gate velocity limit in microseconds/second.	R	/PARAM/	RGTRAK	L COMVID
		R	/PARAM/	INIT2 M	L CORE
RECFWR	Threat power level in the decoy in dbm.	R	/DCOY/	ECMAMP M	L ECM
REPPRB	Probability that the decoy will repeat a given pulse.	R	/VDECO/	INITR M	L CORE
		R	/VDECO/	ECMAMP	L ECM
RF	Radar frequency in hertz.	R	/SCINT/	INITS M	L COMVID
		R	/SCINT/	INITD	L CORE
		R	/SCINT/	EMERCS	L REFENVMT
		R	/SCINT/	TCORSC	L REFENVMT
RGATE	Range gate leading edge in microseconds. Equivalent to X(20).	R	/INT/	COMPVD	L COMVID
		R	/INT/	CONTRL	L CONTRL
		R	/INT/	HDT32	L SLQ32
		R	/INT/	HDTSET	L SLQ32
		R	/INT/	RGPO32	L SLQ32
		R	/INT/	VUGATE	L SLQ32
RGATEN	Range gate trailing edge in microseconds.	R	/RGAT/	RGATE M	L COMVID
RGATLN	Total range gate length in microseconds.	R	/RGAT/	RGATE	L COMVID
		R	/RGAT/	RGATEI M	L COMVID
		R	/RGAT/	HDT32	L SLQ32
		R	/RGAT/	HDTSET	L SLQ32
		R	/RGAT/	RGPO32	L SLQ32

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
RGABW	The RGPO transmitter azimuth beamwidth in degrees.	R	/SLQ32/	ECMPAT	L ECM
		R	/SLQ32/	INISLQ	M L SLQ32
RGELEW	The RGPO transmitter elevation beamwidth in degrees.	R	/SLQ32/	ECMPAT	L ECM
		R	/SLQ32/	INISLQ	M L SLQ32
RGKEEP	Flag. 'T' indicates RGPO keeper pulse is generated.	L	/SLQ32/	INISLQ	M L SLQ32
		L	/SLQ32/	RGPO32	L SLQ32
RGPSYM	Flag. RGPO program symmetry: 'F'=Const accel, 'T'=Accel decel.	L	/SLQ32/	INISLQ	M L SLQ32
		L	/SLQ32/	RGPO32	L SLQ32
RHO	Mean-to-median ratio.	R	/DISTYP/	DECHO	L ASCINT
		R	/DISTYP/	INITE	M L CORE
		R	/DISTYP/	MNTOMD	L REFENVM
RICEM	Mean-to-median ratio for Rice distribution.	R	/BARAS/	INITE	M L CORE
		R	/BARAS/	PRATIO	L REFENVM
RJTOS	J/S ratio of target 2 to target 1.	R	/VTEST1/	AVGDAT	M L CONTRL
		R	/VTEST1/	SETUP	M L CONTRL
		R	/VTEST1/	SUMRY	L CONTRL
		R	/VTEST1/	HEADER2	L CORE
		R	/VTEST1/	INIT2	M L CORE
RMSWHT	RMS wave height in meters.	R	/MPATHI/	AVGDAT	L CONTRL
		R	/MPATHI/	SETUP	M L CONTRL
		R	/MPATHI/	HEADER1	L CORE
		R	/MPATHI/	INITE	L CORE
RNCO	Correlation filter coefficient.	R	/RNDPR2/	INITE	M L CORE
		R	/RNDPR2/	RAPR1	L REFENVM
		R	/RNDPR2/	RAPR2	L REFENVM
		R	/RNDPR2/	RAPR3	L REFENVM
		R	/RNDPR2/	RAPR4	L REFENVM
		R	/RNDPR2/	RCO	M L REFENVM
RNCM	Correlation filter coefficients.	R	/BARAS/	INITE	M L CORE
		R	/BARAS/	RAPR5	L REFENVM
		R	/BARAS/	RCO	M L REFENVM
RNCOQ	Correlation filter coefficients.	R	/BARAS/	INITE	M L CORE
		R	/BARAS/	RAPR5	L REFENVM
		R	/BARAS/	RCO	M L REFENVM
RPDACC	Repeater RGPO delay acceleration in microseconds/second**2.	R	/VDECO/	INITR	M L CORE
		R	/VDECO/	RGPO32	L SLQ32
		R	/VDECO/	RGPO	L REFECM
RPDMAX	Maximum value of RGPO repeater delay in microseconds.	R	/VDECO/	INITR	M L CORE
		R	/VDECO/	RGPO32	L SLQ32
		R	/VDECO/	RGPO	L REFECM
RPDMIN	Minimum value of RGPO repeater delay in microseconds.	R	/VDECO/	INITR	M L CORE
		R	/VDECO/	RGPO32	L SLQ32
		R	/VDECO/	RGPO	L REFECM
RPDVEL	Repeater RGPO delay velocity in microseconds/second.	R	/VDECO/	INITR	M L CORE
		R	/VDECO/	RGPO	L REFECM
RPDWLL	Repeater dwell time before RGPO sweep	R	/VDECO/	INITR	M L CORE

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	in seconds.	R	/VDECO/	RGPO32	L_SLQ32
		R	/VDECO/	RGPO	L_REFECM
RPPINT	Interval between pulses of a multipulse decoy in microseconds.	R	/VDECO/	INITR	M L_CORE
		R	/VDECO/	DLPLSE	L_REFECM
RPPNUM	Number of pulses in the transmitted group of a multipulse decoy.	R	/VDECO/	INITR	M L_CORE
		R	/VDECO/	DLPLSE	L_REFECM
RPSTIM	Starting time of latest repeater sweep in seconds.	R	/VDECO/	INITR	M L_CORE
		R	/VDECO/	RGPO32	M L_SLQ32
		R	/VDECO/	RGPO	M L_REFECM
RPTDEL	Decoy repeater turnaround delay in microseconds.	R	/VDECO/	SETUP	L_CONTRL
		R	/VDECO/	INITC	M L_CORE
		R	/VDECO/	INITR	M L_CORE
		R	/VDECO/	ECMDLY	L_ECM
		R	/VDECO/	RGPO	M L_REFECM
RPTHLD	Decoy input power threshold in dbm.	R	/VDECO/	INITR	M L_CORE
		R	/VDECO/	ECMAMP	L_ECM
RPTFWR	Repeater transmit power in watts.	R	/VDECO/	SETUP	M L_CONTRL
		R	/VDECO/	HEADER1	L_CORE
		R	/VDECO/	INITR	M L_CORE
		R	/VDECO/	ECMAMP	L_ECM
		R	/VDECO/	ECMPAT	L_ECM
		R	/VDECO/	HDTSET	M L_SLQ32
RPTRFW	Repeater radar pulse width in microseconds.	R	/VDECO/	INITR	M L_CORE
		R	/VDECO/	RGPO32	L_SLQ32
RSIN	Sine of a random phase angle (the same angle as RCOS).	R	/CRNDSC/	MODPLX	L_COSRO
		R	/CRNDSC/	MODXM3	L_MONO
		R	/CRNDSC/	RNDSC	M L_REFSEEK
RUNTIM	Maximum duration of the run in seconds.	R	/PARAM/	MAIN	L_LOCAL
		R	/PARAM/	HEADER1	L_CORE
		R	/PARAM/	INIT2	M L_CORE
		R	/PARAM/	INITC	M L_CORE
		R	/PARAM/	VUGATE	M L_SLQ32
S	Table of sines of angles from 0 to 90 degrees.	R	/SINES/	RNDSCI	M L_REFSEEK
S1	Table of sines of angles from 0 to 90 degrees.	R	/SINES/	RNDSC	L_REFSEEK
SCINT	Amplitude scintillation array.	R	/SCINT/	DECHO	L_ASCINT
		R	/SCINT/	INITE	M L_CORE
		R	/SCINT/	AMERCS	L_REFENVMT
		R	/SCINT/	ELSTR	M L_REFENVMT
		R	/SCINT/	EMERCS	L_REFENVMT
		R	/SCINT/	MIXPR	L_REFENVMT
		R	/SCINT/	MNTOMD	L_REFENVMT
		R	/SCINT/	PRATIO	M L_REFENVMT
		R	/SCINT/	RAPR3	L_REFENVMT
		R	/SCINT/	RAPR4	L_REFENVMT

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX C - SLCAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/SCINT/	RAPR5	L_REFENVMT
		R	/SCINT/	RCO	L_REFENVMT
		R	/SCINT/	SWITAN	M L_REFENVMT
		R	/SCINT/	TARANG	M L_REFENVMT
		R	/SCINT/	TARDEN	L_REFENVMT
		R	/SCINT/	TCORSC	L_REFENVMT
SEACL	Sea clutter array.	R	/DISTYP/	INITE	M L_CORE
SEACON	Sea conductivity coefficient.	R	/MPBLK4/	MPINIT	M L_REFENVMT
		R	/MPBLK4/	MPMAIN	L_REFENVMT
SEADIE	Sea dielectric constant.	R	/MPBLK4/	MPINIT	M L_REFENVMT
		R	/MPBLK4/	MPMAIN	L_REFENVMT
SEARUF	Sea roughness factor.	R	/MPATHI/	AVGDAT	M L_CONTRL
		R	/MPATHI/	SETUP	L_CONTRL
		R	/MPATHI/	INIT2	M L_CORE
SHFTRG	Shift register.	I	/MNLK/	MNLCKI	M L_MONO
		I	/MNLK/	MNLOCK	M L_REFSEEK
SIGMB	Median RCS at bow in meters**2.	R	/BARAS/	INITE	M L_CORE
		R	/BARAS/	AMERCS	L_REFENVMT
SIGME	Current value of median RCS in meters**2.	R	/MCSAS/	DECHO	L_ASCINT
		R	/MCSAS/	AVGDAT	L_CONTRL
		R	/MCSAS/	SETUP	L_CONTRL
		R	/MCSAS/	INIT2	M L_CORE
		R	/MCSAS/	INITE	M L_CORE
		R	/MCSAS/	AMERCS	M L_REFENVMT
		R	/MCSAS/	EMERCS	M L_REFENVMT
		R	/MCSAS/	RAPR1	L_REFENVMT
		R	/MCSAS/	RAPR2	L_REFENVMT
		R	/MCSAS/	RAPR3	L_REFENVMT
		R	/MCSAS/	RAPR4	L_REFENVMT
		R	/MCSAS/	RAPR5	L_REFENVMT
SIGMP	Median RCS at port and starboard in meters**2.	R	/MCSAS/	INITE	M L_CORE
		R	/MCSAS/	AMERCS	L_REFENVMT
SIGMS	Median RCS at stern in meters**2.	R	/MCSAS/	INITE	M L_CORE
		R	/MCSAS/	AMERCS	L_REFENVMT
SIGP	Sight-line angle to target in pitch in degrees.	R	/SKRENV/	PLOTIT	L_LOCAL
		R	/SKRENV/	RGATE	M L_COMVID
		R	/SKRENV/	ECMPAT	L_ECM
		R	/SKRENV/	TARANG	L_REFENVMT
SIGP0	Previous value of pitch sight-line angle in degrees.	R	/SCINT/	INITE	M L_CORE
		R	/SCINT/	TARANG	M L_REFENVMT
SIGPSI	Previous value of PSISPC; used in SIGTST.	R	/MPBLK6/	MPINIT	M L_REFENVMT
		R	/MPBLK6/	SIGTST	M L_REFENVMT
SIGY	Sight-line angle to target in yaw in degrees.	R	/SKRENV/	PLOTIT	L_LOCAL
		R	/SKRENV/	RGATE	M L_COMVID
		R	/SKRENV/	CONTRL	L_CONTRL
		R	/SKRENV/	INITD	L_CORE

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
		R	/SKRENV/	INITE	M	L CORE
		R	/SKRENV/	ECMPAT		L ECM
		R	/SKRENV/	TARANG		L REFENVM
SKRPWR	Threat seeker transmit power in watts.	R	/SKRENV/	INITS	M	L COMVID
		R	/SKRENV/	ECMAMP		L ECM
		R	/SKRENV/	M3TRGI		L REFSEEK
SNDAT	Date run was started.	D	/LOGCOM/	SNLOG	M	L CONTRL
SNTIME	Time run was started.	D	/LOGCOM/	SNLOG		L CONTRL
SPTCH	Previous value of sine of pitch.	R	/KINE/	INITHR	M	L REPAIR
		R	/KINE/	INITMS	M	L REPAIR
		R	/KINE/	KINE2	M	L REPAIR
SSCAN	Sine of beam scanner angle.	R	/SCAN/	MODPLX		L COSRO
		R	/SCAN/	MLTPTH		L REFENVM
		R	/SCAN/	SCAN2	M	L REFSEEK
		R	/SCAN/	DEM0D2		L REFSEEK
STGWT	Split track gate width in microseconds.	R	/DCOY/	COMPVD		L COMVID
		R	/DCOY/	INITS	M	L COMVID
		R	/DCOY/	RGATEI		L COMVID
		R	/DCOY/	ASSESS		L CONTRL
		R	/DCOY/	CONTRL		L CONTRL
		R	/DCOY/	INITD		L CORE
		R	/DCOY/	RGPO32		L SLQ32
		R	/DCOY/	VUGATE		L SLQ32
		R	/DCOY/	DLPLSE		L REFECM
SUFFIX	Suffix to indicate model type: ".C"=Cosro. ".M"=Mono.	I	/PRINT/	MAIN	M	L LOCAL
		I	/PRINT/	RESTR		L CONTRL
SUM	Cumulative change in aspect angle in degrees.	R	/DISTYP/	INITE	M	L CORE
		R	/DISTYP/	TARANG	M	L REFENVM
SUMI	Imaginary part of antenna gain sum channel.	R	/INTOUT/	MODXM3		L MONO
		R	/INTOUT/	ANTI		L REFSEEK
		R	/INTOUT/	ANTI2		L REFSEEK
		R	/INTOUT/	ANTNNA	M	L REFSEEK
		R	/INTOUT/	ANTNA2	M	L REFSEEK
SUMPAI	Sum pattern (imaginary part).	I	/PATRN2/	ANTI2		L REFSEEK
		I	/PATRN2/	ANTNA2		L REFSEEK
SUMPAR	Sum pattern (real part).	I	/PATRN1/	ANTI2		L REFSEEK
		I	/PATRN1/	ANTNA2		L REFSEEK
SUMR	Real part of antenna gain sum channel.	R	/INTOUT/	MODXM3		L MONO
		R	/INTOUT/	ANTI		L REFSEEK
		R	/INTOUT/	ANTI2		L REFSEEK
		R	/INTOUT/	ANTNNA	M	L REFSEEK
		R	/INTOUT/	ANTNA2	M	L REFSEEK
SUMRR	Equivalenced to "SUMPAT".	I	/PATSYM/	ANTNNA		L REFSEEK
SUMTMP	Equivalenced to "CVIDEO".	R	/CV/	D0TPR		L REFSEEK
SUPT	Sum pattern.	I	/PATSYM/	ANTI	M	L REFSEEK
SYAW	Previous value of sine of yaw.	R	/KINE/	INITHR	M	L REPAIR

NOTES: "M" column indicates variable is modified.
 "T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
T	T array. Contains time constants, etc. See also APPENDIX D.	R	/KINE/	INITMS	M L_REFAIR
		R	/KINE/	KINE2	M L_REFAIR
		R	/PARAM/	MAIN	L_LOCAL
		R	/PARAM/	INITS	M L_COMVID
		R	/PARAM/	INITC	M L_CORE
		R	/PARAM/	PLOTIT	L_CORE
		R	/PARAM/	AGC2	L_REFSEEK
		R	/PARAM/	DEM0D2	L_REFSEEK
		R	/PARAM/	DOTFR	L_REFSEEK
		R	/PARAM/	DISH2	L_REFSEEK
		R	/PARAM/	DISHM	L_REFSEEK
		R	/PARAM/	LOCK2	L_REFSEEK
		R	/AGC/	INITS	M L_COMVID
		R	/AGC/	AGC2	L_REFSEEK
TAGC	Noise loop filter time constant.	R	/RGAT/	RGATE	M L_COMVID
TBEGIN	Target echo leading edge in microseconds. Duplicate of TGTDLV.	R	/RGAT/	MODPLX	L_COSRO
TDFLOY	Target deployment time in seconds. See also APPENDIX D.	R	/RGAT/	MODXM3	L_MONO
		R	/VCORE/	AVGDAT	L_CONTRL
		R	/VCORE/	SETUP	L_CONTRL
		R	/VCORE/	INIT2	M L_CORE
		R	/VCORE/	INITE	L_CORE
		R	/VCORE/	INITR	L_CORE
		R	/VCORE/	INITP	M L_REFECM
		R	/VCORE/	CHAFF	M L_REFTGT
		R	/VCORE/	DECOY	M L_REFTGT
		R	/VCORE/	TARGET	L_REFTGT
TEND	Target echo trailing edge in microseconds.	R	/RGAT/	RGATE	M L_COMVID
		R	/RGAT/	MODPLX	L_COSRO
		R	/RGAT/	MODXM3	L_MONO
TGTAMP	Target return level computed in missile receiver in volts.	R	/SKRENV/	RGATE	M L_COMVID
		R	/SKRENV/	INITC	M L_CORE
		R	/SKRENV/	PLOTIT	L_CORE
		R	/SKRENV/	MODPLX	M L_COSRO
		R	/SKRENV/	MODXM3	M L_MONO
TGTBDT	Target turning rate in degrees/second.	R	/SKRENV/	INIT2	M L_CORE
		R	/SKRENV/	INITC	M L_CORE
		R	/SKRENV/	INITE	L_CORE
		R	/SKRENV/	DECOY	L_REFTGT
		R	/SKRENV/	SHIP	L_REFTGT
TGTBRG	Target bearing CW from positive X-axis in degrees.	R	/SKRENV/	SETUP	L_CONTRL
		R	/SKRENV/	HEDER1	L_CORE
		R	/SKRENV/	INIT2	M L_CORE
		R	/SKRENV/	INITC	M L_CORE
		R	/SKRENV/	INITD	L_CORE
		R	/SKRENV/	INITE	L_CORE
		R	/SKRENV/	ECMPAT	L_ECM

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

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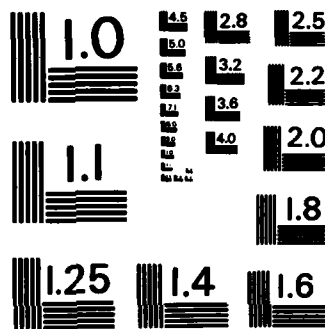
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APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L_File
TGTDLY Leading edge of target pulse received by seeker in microseconds.	R	/SKRENV/	TARANG	L_REFENVMT
	R	/SKRENV/	ABOARD	M L_REFTGT
	R	/SKRENV/	DECOY	M L_REFTGT
	R	/SKRENV/	SHIP	M L_REFTGT
	R	/SKRENV/	PLOTIT	L_LOCAL
	R	/SKRENV/	RGATE	M L_COMVID
	R	/SKRENV/	ASSESS	L_CONTRL
	R	/SKRENV/	CONTRL	L_CONTRL
	R	/SKRENV/	HEADER2	L_CORE
	R	/SKRENV/	INITC	M L_CORE
	R	/SKRENV/	PLOTIT	L_CORE
	R	/SKRENV/	ECMDLY	M L_ECM
	R	/SKRENV/	HDTSET	M L_SLQ32
	R	/SKRENV/	RGPO32	M L_SLQ32
	R	/SKRENV/	VUGATE	L_SLQ32
TGTRCS RCS in square meters or ERP in watts.	R	/SKRENV/	DLPLSE	M L_REFECM
	R	/SKRENV/	PLOTIT	L_LOCAL
	R	/SKRENV/	AVGDAT	L_CONTRL
	R	/SKRENV/	INIT2	M L_CORE
	R	/SKRENV/	INITC	M L_CORE
	R	/SKRENV/	PLOTIT	L_CORE
	R	/SKRENV/	MODPLX	L_COSRO
	R	/SKRENV/	ECMAMP	M L_ECM
	R	/SKRENV/	ECMPAT	M L_ECM
	R	/SKRENV/	MODXM3	L_MONO
	R	/SKRENV/	HDT32	L_SLQ32
	R	/SKRENV/	RAPR1	M L_REFENVMT
	R	/SKRENV/	RAPR2	M L_REFENVMT
	R	/SKRENV/	RAPR3	M L_REFENVMT
	R	/SKRENV/	RAPR4	M L_REFENVMT
TGTRFW Width of target pulse received by seeker in microseconds.	R	/SKRENV/	RAPR5	M L_REFENVMT
	R	/SKRENV/	RGATE	L_COMVID
	R	/SKRENV/	ASSESS	L_CONTRL
	R	/SKRENV/	CONTRL	L_CONTRL
	R	/SKRENV/	SETUP	L_CONTRL
	R	/SKRENV/	INIT2	M L_CORE
	R	/SKRENV/	INITC	M L_CORE
	R	/SKRENV/	INITR	M L_CORE
	R	/SKRENV/	HDTSET	M L_SLQ32
	R	/SKRENV/	RGPO32	M L_SLQ32
	R	/SKRENV/	VUGATE	L_SLQ32
	R	/SKRENV/	SETUP	L_CONTRL
	R	/SKRENV/	INIT2	M L_CORE
	R	/SKRENV/	INITC	M L_CORE
	R	/SKRENV/	INITE	L_CORE
TGTVEL Target velocity in knots.	R	/SKRENV/	DECOY	L_REFTGT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
TGTXCO	Target position on X-axis in meters.	R	/SKRENV/	SHIP	L_REFTGT
		R	/SKRENV/	MAIN	L_LOCAL
		R	/SKRENV/	PLOTIT	L_LOCAL
		R	/SKRENV/	RGATE	L_COMVID
		R	/SKRENV/	SETUP	L_CONTRL
		R	/SKRENV/	INIT2	M L_CORE
		R	/SKRENV/	INITC	M L_CORE
		R	/SKRENV/	INITE	L_CORE
		R	/SKRENV/	TARANG	L_REFENVM
		R	/SKRENV/	ABOARD	M L_REFTGT
		R	/SKRENV/	CHAFF	M L_REFTGT
		R	/SKRENV/	DECOY	M L_REFTGT
		R	/SKRENV/	SHIP	M L_REFTGT
TGTYCO	Target position on Y-axis in meters.	R	/SKRENV/	PLOTIT	L_LOCAL
		R	/SKRENV/	RGATE	L_COMVID
		R	/SKRENV/	SETUP	L_CONTRL
		R	/SKRENV/	INIT2	M L_CORE
		R	/SKRENV/	INITC	M L_CORE
		R	/SKRENV/	INITE	L_CORE
		R	/SKRENV/	ABOARD	M L_REFTGT
		R	/SKRENV/	CHAFF	M L_REFTGT
		R	/SKRENV/	DECOY	M L_REFTGT
		R	/SKRENV/	SHIP	M L_REFTGT
		R	/SKRENV/	RGATE	L_COMVID
		R	/SKRENV/	SETUP	L_CONTRL
		R	/SKRENV/	HEDER1	L_CORE
TGTZCO	Target position on Z-axis in meters.	R	/SKRENV/	INIT2	M L_CORE
		R	/SKRENV/	INITC	M L_CORE
		R	/SKRENV/	INITE	L_CORE
		R	/SKRENV/	MLTPTH	L_REFENVM
		R	/SKRENV/	ABOARD	M L_REFTGT
		R	/SKRENV/	CHAFF	M L_REFTGT
		R	/SKRENV/	DECOY	L_REFTGT
		R	/BARAS/	INITE	M L_CORE
		R	/BARAS/	AMERCS	M L_REFENVM
		R	/INTERP/	ANTI2	M L_REFSEEK
		R	/INTERP/	ANTNA2	L_REFSEEK
		R	/INTERP/	ANTI2	M L_REFSEEK
		R	/INTERP/	ANTNA2	L_REFSEEK
THBOW	Aspect angle where depression starts in degrees.	R	/INTSYM/	MODXM3	M L_MONO
		R	/INTSYM/	ANTI	M L_REFSEEK
		R	/INTSYM/	ANTNNA	L_REFSEEK
THEMAX	Maximum elevation angle stored in degrees.	R	/MPBLK6/	MPINIT	M L_REFENVM
		R	/MPBLK6/	SIGTST	L_REFENVM
THEMIN	Minimum elevation angle stored in degrees.	R	/AUTO/	AUTO3	L_AIR
		R	/AUTO/	AUTO2	L_REFAIR
THET	Azimuth argument for antenna interpolation routine in degrees.				
THRHL	Constant associated with update test in SIGTST.				
THTD	Pitch base servo output in degrees.				

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
THTG	Missile pitch angle in degrees.	R	/AUTO/	INITHR	M	L_REFAIR
		R	/AUTO/	INITMS	M	L_REFAIR
		R	/AUTO/	INT2	M	L_REFSEEK
		R	/AIRSKR/	PLOTIT		L_LOCAL
		R	/AIRSKR/	AUTO3		L_AIR
		R	/AIRSKR/	RGATE		L_COMVID
		R	/AIRSKR/	PLOTIT		L_CORE
		R	/AIRSKR/	AUTO2		L_REFAIR
		R	/AIRSKR/	INITHR	M	L_REFAIR
		R	/AIRSKR/	INITMS	M	L_REFAIR
THTL	Yaw lead gyro angle in degrees.	R	/AIRSKR/	KINE2		L_REFAIR
		R	/AIRSKR/	MLTPTH		L_REFENVM
		R	/AIRSKR/	INT2	M	L_REFSEEK
		R	/AUTO/	AUTO3		L_AIR
		R	/AUTO/	AUTO2		L_REFAIR
		R	/AUTO/	INITHR	M	L_REFAIR
		R	/AUTO/	INITMS	M	L_REFAIR
		R	/AUTO/	INT2	M	L_REFSEEK
		D	/ASE/	MAIN		L_LOCAL
		D	/ASE/	AVGDAT		L_CONTRL
TIME	Accumulated run time in seconds.	D	/ASE/	CONTRL		L_CONTRL
		D	/ASE/	INITC	M	L_CORE
		D	/ASE/	PLOTIT		L_CORE
		D	/ASE/	HDTSET		L_SLQ32
		D	/ASE/	RGPO32		L_SLQ32
		D	/ASE/	VUGATE		L_SLQ32
		D	/ASE/	RGPO		L_REFECM
		D	/ASE/	TARANG		L_REFENVM
		D	/ASE/	MLTPTH		L_REFENVM
		D	/ASE/	INT2	M	L_REFSEEK
TIME0	Previous value of time in seconds.	D	/ASE/	DECOY		L_REFTGT
		D	/ASE/	TARGET		L_REFTGT
		D	/SCINT/	INITE	M	L_CORE
		D	/SCINT/	TARANG	M	L_REFENVM
TITLE1	First line of output data file title.	I	/VTEST1/	SUMMR		L_CONTRL
		I	/VTEST1/	HEADER		L_CORE
		I	/VTEST1/	INIT2	M	L_CORE
TITLE2	Second line of output data file title.	I	/VTEST1/	SUMMR		L_CONTRL
		I	/VTEST1/	HEADER		L_CORE
		I	/VTEST1/	INIT2	M	L_CORE
TITLE3	Third line of output data file title.	I	/VTEST1/	SUMMR		L_CONTRL
		I	/VTEST1/	INIT2	M	L_CORE
		I	/VTEST1/	MLTPTH	M	L_REFENVM
TRATIO	Threat antenna gain ratio.	R	/MPATHI/	AUTO3		L_AIR
TRIM	Gravity offset in degrees.	R	/AUTO/	INITHR	M	L_REFAIR
		R	/AUTO/	INITMS	M	L_REFAIR

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
TRMIX	Percent of major aspect density type in mixed regions.	R	/DISTYP/	INITE	M L CORE
		R	/DISTYP/	MIXPR	M L REFENVM
		R	/DISTYP/	RAPR5	L REFENVM
TVID	Time of arrival of the complex video signal edge (microseconds).	R	/PRECV/	COMPVD	L COMVID
		R	/PRECV/	MODPLX	M L COSRO
		R	/PRECV/	MODXM3	M L MONO
		R	/PRECV/	HDT32	M L SLQ32
TWTFWR	Decoy TWT output in watts.	R	/DCOY/	SETUP	M L CONTRL
USPM	Two-way signal travel time in microseconds/meter.	R	/CONST/	RGATE	L COMVID
		R	/CONST/	RGTRAK	L COMVID
		R	/CONST/	SETUP	L CONTRL
		R	/CONST/	INIT2	L CORE
		R	/CONST/	INITC	M L CORE
		R	/CONST/	INITR	L CORE
VARBIN	Array of variable bins to save data for restart.	R	/VTEST1/	ASSESS	L CONTRL
		R	/VTEST1/	RESTRT	M L CONTRL
VDOAZ	Real array equivalent to "CVDOAZ", azimuth difference video.	R	/CV/	COMPVD	M L COMVID
VDOEL	Real array equivalent to "CVDOEL", elevation difference video.	R	/CV/	COMPVD	M L COMVID
VEL	Missile velocity vector in meters/second.	R	/KINE/	RGTRAK	L COMVID
		R	/KINE/	SETUP	L CONTRL
		R	/KINE/	INITC	M L CORE
		R	/KINE/	INITE	L CORE
		R	/KINE/	KINE2	L REFAIR
VID	Real array equivalent to "CVID", complex video sum "deltas".	R	/PRECV/	COMPVD	M L COMVID
		R	/CV/	RGTRAK	L COMVID
		R	/PRECV/	MODPLX	M L COSRO
		R	/PRECV/	MODXM3	M L MONO
		R	/PRECV/	HDT32	M L SLQ32
		R	/CV/	VUGATE	L SLQ32
VIDA	Equivalenced to "CVDOAZ".	R	/CV/	M3SATV	M L REFSEEK
VIDAZ	Real array equivalent to "CVIDAZ", azimuth difference video.	R	/PRECV/	COMPVD	M L COMVID
		R	/PRECV/	MODXM3	M L MONO
		R	/PRECV/	HDT32	M L SLQ32
VIDE	Equivalenced to "CVDOEL".	R	/CV/	M3SATV	M L REFSEEK
VIDEL	Real array equivalent to "CVIDEL", elevation difference video.	R	/PRECV/	COMPVD	M L COMVID
		R	/PRECV/	MODXM3	M L MONO
		R	/PRECV/	HDT32	M L SLQ32
VIDEO	Peak envelope of the composite video signal in volts.	R	/AGC/	PLOTIT	L LOCAL
		R	/CV/	COMPVD	M L COMVID
		R	/AGC/	INITS	M L COMVID
		R	/AGC/	RGTRAK	M L COMVID
		R	/AGC/	PLOTIT	L CORE
		R	/AGC/	AGC2	L REFSEEK
		R	/AGC/	DEM0D2	L REFSEEK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
		R	/AGC/	LOCK2	L REFSEEK
		R	/AGC/	MNLOCK	L REFSEEK
VIDMX2	Square of the video saturation amplitude (magnitude).	R	/CV/	M3SATV	L REFSEEK
VIDS	Equivalenced to "CVIDEO".	R	/CV/	M3SATV M	L REFSEEK
VND	AGC noise voltage in volts.	R	/AGC/	INITS M	L COMVID
		R	/AGC/	AGC2	L REFSEEK
VOUT	Log to the base 10 of the AGC signal in volts.	R	/AGC/	PLOTTT	L LOCAL
		R	/AGC/	AGC2 M	L REFSEEK
VTHRS	Detection threshold in volts.	R	/MNLK/	INITS M	L COMVID
		R	/MNLK/	RGTRAK	L COMVID
		R	/MNLK/	MNLCKI M	L MONO
		R	/MNLK/	MNLOCK	L REFSEEK
WAVLEN	Radar wavelength in meters.	R	/MPBLK2/	MPINIT M	L REFENVT
		R	/MPBLK2/	MPMAIN	L REFENVT
WAVRMS	RMS wave height in meters.	R	/MPBLK5/	MPINIT M	L REFENVT
		R	/MPBLK5/	MPMAIN	L REFENVT
WCAZBW	The W component transmitted azimuth beamwidth in degrees.	R	/SLQ32/	ECMPAT	L ECM
		R	/SLQ32/	INISLQ M	L SLQ32
WCELBW	The W component transmitted elevation beamwidth in degrees.	R	/SLQ32/	ECMPAT	L ECM
		R	/SLQ32/	INISLQ M	L SLQ32
WCFLAG	Flag. 'T' indicates that the W component is to be generated.	L	/SLQ32/	PLOTTT	L CORE
		L	/SLQ32/	HDT32	L SLQ32
		L	/SLQ32/	HDTSET M	L SLQ32
WCPLSW	W component pulsewidth in microseconds.	R	/SLQ32/	HDTSET	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32
WCPRI	W component PRI in microseconds.	R	/SLQ32/	HDTSET	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32
WCFWR	The ERP of the W component transmitter in watts.	R	/SLQ32/	HDTSET	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32
WCRAMP	Flag. 'T'=W component is ramp. 'F'=Regular W component.	L	/SLQ32/	HDT32	L SLQ32
		L	/SLQ32/	HDTSET	L SLQ32
		L	/SLQ32/	INISLQ M	L SLQ32
WJITTR	Uncertainty (jitter) in the value of 'WSTART' in microseconds.	R	/SLQ32/	HDTSET	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32
WLEAD	Desired time that W component leads the target in microseconds.	R	/SLQ32/	HDTSET	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32
WOFFTM	Length of time in seconds that the W component is off.	R	/SLQ32/	HDTSET	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32
WONTIM	Length of time in seconds that the W component is transmitted.	R	/SLQ32/	HDTSET	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32
WSTART	Starting location of the W component pulse train in seconds.	R	/SLQ32/	HDT32	L SLQ32
		R	/SLQ32/	HDTSET M	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32
WTRAIL	Time in microseconds that end of W component trails target.	R	/SLQ32/	HDTSET	L SLQ32
		R	/SLQ32/	INISLQ M	L SLQ32

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L	File
WX	X component of wind in knots.	R	/DCOY/	INIT2	M	L CORE
		R	/DCOY/	CHAFF		L REFTGT
		R	/DCOY/	DECOY		L REFTGT
WY	Y component of wind in knots.	R	/DCOY/	INIT2	M	L CORE
		R	/DCOY/	CHAFF		L REFTGT
		R	/DCOY/	DECOY		L REFTGT
X	X integrator array. See also APPENDIX D.	R	/INT/	PLOTIT		L LOCAL
		R	/INT/	INITS	M	L COMVID
		R	/INT/	RGATE		L COMVID
		R	/INT/	RGTRAK	M	L COMVID
		R	/INT/	ASSESS		L CONTRL
		R	/INT/	CONTRL	M	L CONTRL
		R	/INT/	HEADER2		L CORE
		R	/INT/	INITC	M	L CORE
		R	/INT/	PLOTIT		L CORE
		R	/INT/	DLPLSE		L REFECM
		R	/INT/	MLTPTH		L REFENVM
		R	/INT/	AGC2		L REFSEEK
		R	/INT/	SCAN2	M	L REFSEEK
		R	/INT/	INT2	M	L REFSEEK
		R	/INT/	DEM0D2		L REFSEEK
		R	/INT/	DOTPR	M	L REFSEEK
		R	/INT/	DISH2		L REFSEEK
		R	/INT/	DISHM	M	L REFSEEK
		R	/INT/	LOCK2	M	L REFSEEK
		R	/INT/	MNLOCK		L REFSEEK
XIMAG	Imaginary part of the multipath factor.	R	/MPATHI/	MODPLX		L COSRO
		R	/MPATHI/	MODXM3		L MONO
		R	/MPATHI/	MLTPTH	M	L REFENVM
XL	Lower limits for X array integrators.	R	/INT/	INITC	M	L CORE
XLMDA	Wavelength in meters.	R	/SKRENV/	INITS	M	L COMVID
		R	/SKRENV/	AVGDAT		L CONTRL
		R	/SKRENV/	SETUP		L CONTRL
		R	/SKRENV/	INITD	M	L CORE
		R	/SKRENV/	INITE	M	L CORE
		R	/SKRENV/	ECMAMP		L ECM
		R	/SKRENV/	INITD	M	L CORE
XLMDA2	Wavelength**2 in meters**2.	R	/SKRENV/	M3TRGI		L REFSEEK
		R	/INT/	INITS	M	L COMVID
		R	/INT/	RGTRAK		L COMVID
XLS	Lower limits for X array integrators in search mode.	R	/INT/	INITC	M	L CORE
		R	/INT/	INT2		L REFSEEK
		R	/INT/	INITS	M	L COMVID
XLT	Lower limits for X array integrators in terminal mode.	R	/INT/	INITC	M	L CORE
		R	/INT/	INT2		L REFSEEK
		R	/ASE/	MAIN		L LOCAL

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/ASE/	PLOTIT	L_LOCAL
		R	/ASE/	RGATE	L_COMVID
		R	/ASE/	SETUP	L_CONTRL
		R	/ASE/	INITC	M L_CORE
		R	/ASE/	INITE	L_CORE
		R	/ASE/	PLOTIT	L_CORE
		R	/ASE/	INITHR	L_REFAIR
		R	/ASE/	INITMS	L_REFAIR
		R	/ASE/	TARANG	L_REFENVM
		R	/ASE/	INT2	M L_REFSEEK
XMEAN	Rayleigh mean time between emitter pulses in microseconds.	R	/DCOY/	INIT2	M L_CORE
		R	/DCOY/	INITD	L_CORE
XREAL	Real part of the multipath factor.	R	/MPATHI/	MODPLX	L_COSRO
		R	/MPATHI/	MODXM3	L_MONO
		R	/MPATHI/	MLTPTH	M L_REFENVM
XU	Upper limits for X array integrators.	R	/INT/	INITS	M L_COMVID
		R	/INT/	INITC	M L_CORE
		R	/INT/	DISH2	L_REFSEEK
XUS	Upper limits for X array integrators in search mode.	R	/INT/	INITS	M L_COMVID
		R	/INT/	RGTRAK	L_COMVID
		R	/INT/	INITC	M L_CORE
		R	/INT/	INT2	L_REFSEEK
XUT	Upper limits for X array integrators in terminal mode.	R	/INT/	INITS	M L_COMVID
		R	/INT/	INITC	M L_CORE
		R	/INT/	INT2	L_REFSEEK
Y	Two dimensional array containing correlated gaussian processes.	R	/MPBLK3/	MPINIT	M L_REFENVM
		R	/MPBLK3/	GAUBND	M L_REFENVM
YAW	Previous value of body yaw in radians.	R	/KINE/	INITHR	M L_REFAIR
		R	/KINE/	INITMS	M L_REFAIR
		R	/KINE/	KINE2	M L_REFAIR
YDPGAN	Yaw differential channel processing gain.	R	/CDOTPR/	DOTPR	L_REFSEEK
		R	/CDOTPR/	DOTPRI	M L_REFSEEK
YERR	Seeker yaw error signal.	R	/ASYER/	DOTPR	M L_REFSEEK
YGS	Correlated gaussian process.	R	/RNDPR2/	INITE	M L_CORE
		R	/RNDPR2/	DNINTF	M L_REFENVM
		R	/RNDPR2/	RAPR1	M L_REFENVM
		R	/RNDPR2/	RAPR2	M L_REFENVM
		R	/RNDPR2/	RAPR3	M L_REFENVM
		R	/RNDPR2/	RAPR4	M L_REFENVM
		R	/RNDPR2/	RAPR5	M L_REFENVM
YM	Missile Y position in meters.	R	/ASE/	PLOTIT	L_LOCAL
		R	/ASE/	RGATE	L_COMVID
		R	/ASE/	SETUP	L_CONTRL
		R	/ASE/	INITC	M L_CORE
		R	/ASE/	INITE	L_CORE
		R	/ASE/	PLOTIT	L_CORE

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
YSB	Target yaw angle off boresight in degrees.	R	/ASE/	INT2	M L_REFSEEK
		R	/SKRENV/	PLOTIT	L_LOCAL
		R	/SKRENV/	RGATE	M L_COMVID
		R	/SKRENV/	PLOTIT	L_CORE
		R	/SKRENV/	MODPLX	L_COSRO
		R	/SKRENV/	MODXM3	L_MONO
ZM	Missile Z position in meters.	R	/SKRENV/	MLTPTH	L_REFENVMT
		R	/ASE/	MAIN	L_LOCAL
		R	/ASE/	AUTO3	L_AIR
		R	/ASE/	RGATE	L_COMVID
		R	/ASE/	SETUP	L_CONTRL
		R	/ASE/	INITC	M L_CORE
		R	/ASE/	INITE	L_CORE
		R	/ASE/	PLOTIT	L_CORE
		R	/ASE/	AUTO2	L_REFAIR
		R	/ASE/	INITHR	L_REFAIR
		R	/ASE/	INITMS	L_REFAIR
		R	/ASE/	MLTPTH	L_REFENVMT
		R	/ASE/	INT2	M L_REFSEEK
		R	/MPATHI/	PLOTIT	M L_LOCAL
ZMAGD	Magnitude of multipath coefficient.	R	/MPATHI/	INITE	M L_CORE
		R	/MPATHI/	PLOTIT	M L_CORE
		R	/MPATHI/	ECMAMP	M L_ECM
		R	/MPATHI/	MLTPTH	M L_REFENVMT

APPENDIX D - Additional Definitions

Name	Definition
AUTOGN	Gain for PSID feedback circuit; PSID late gain. AUTOGN(1) Gain for PSID feedback circuit. AUTOGN(2) PSID late gain.
AUTOL	Lower limits for PSID, THTD, DELP, or DELY in degrees. AUTOL(1) Lower PSID limit. AUTOL(2) Lower THTD limit. AUTOL(3) Lower DELP limit. AUTOL(4) Lower DELY limit.
AUTOU	Upper limits for PSID, THTD, DELP, or DELY in degrees. AUTOU(1) Upper PSID limit. AUTOU(2) Upper THTD limit. AUTOU(3) Upper DELP limit. AUTOU(4) Upper DELY limit.
G	G Array. Contains gain constants, etc. G(1) DC blocking filter gain. G(2) Pitch error filter gain. G(3) Dish servo filter gain. G(4) Search yaw beam rate in degrees/second. G(5) Track yaw beam rate in degrees/second. G(25) Loaded with 'AUX1' in subroutine DEMOD2. G(26) Loaded with 'AUX2' in subroutine DEMOD2. G(27) Loaded with 'AUX3' in subroutine DEMOD2.
IDPLOY	IDPLOY starts off at some initial value and is incremented as the associated platform goes through the various stages of its motion (i.e. launch, ballistic flight, level flight, etc). If IDPLOY is less than or equal to 0, the target does not respond to the seeker. If IDPLOY is greater than 0, the target does respond. IDPLOY is initialized to -10 and is re-initialized at decoy launch to the appropriate value in the appropriate platform routine. For a ship IDPLOY is initialized to 1.
ISCINT	Indicates probability density type: ISCINT(1,I) meanings: 1 = Chi square. 2 = Rayleigh. 3 = Rice power. ISCINT(2,I) meanings: 0 = One density type only. 1 = No change in density type at bow or stern. 2 = Change at bow/stern and port/starboard. ISCINT(3,I) meanings: 1 = Chi square. 2 = Rayleigh. 3 = Lognormal. 4 = Rice power. (Where I=target index)

APPENDIX D - Additional Definitions (Continued)

Name	Definition (Continued)
MODTYP	Modulation type flag. MODTYP meanings: 0 = No target (skipped). 1 = Passive target. 2 = Active repeater with constant delay. 3 = Active repeater with RGPO sweep. 4 = Active repeater with multiple pulse output. 5 = Active repeater with multiple pulses and RGPO. 6 = Noise jammer. 7 = Sea clutter return.
SCINT(1,I)	Current correlation time of RCS fluctuations computed in the program in milliseconds.
SCINT(2,I)	Current elevation angle between missile antenna and target ship I in radians.
SCINT(3,I)	Total (random plus deterministic) rate of change of elevation angle between missile and target ship I. (milliradians/second)
SCINT(4,I)	Current aspect angle between missile radar and target ship I in degrees.
SCINT(5,I)	Total (random plus deterministic) rate of change of aspect angle between missile and target ship I in milliradians/second.
SCINT(6,I)	Characteristic width of the ship (longest distance between major scatterers across the ship) in meters, usually equal to its width.
SCINT(7,I)	Length of major flat (dominant) reflector located alongside the ship in meters.
SCINT(8,I)	Length of major flat (dominant) reflector located across the ship in meters.
SCINT(9,I)	Real variable, dimensionless, between 0 and 1; percentage of probability densities that are of the same type as the one appearing at major aspect angles.
SCINT(10,I)	Characteristic length between major reflectors alongside the ship in meters. Used in correlation time calculation.
SCINT(11,I)	Replaced by ISCINT(1,I).
SCINT(12,I)	Random rate of change of aspect angle between missile and target ship I (1 - 100 milliradians/second).
SCINT(13,I)	Random rate of change of elevation angle between missile and target ship I (1 - 100 milliradians/second).
SCINT(14,I)	Dimensionless mean-to-median ratio for lognormal densities.
SCINT(15,I)	Switching angle for change in distribution type from major aspect types to mixture at stern and bow in degrees.
SCINT(16,I)	Switching angle for change in distribution type from major aspect type to mixture at port and starboard in degrees.
SCINT(17,I)	Replaced by ISCINT(2,I).
SCINT(18,I)	Initial value of deterministic rate of change of aspect angle in degrees/second.

APPENDIX D - Additional Definitions (Continued)

Name	Definition (Continued)
SCINT(19,I)	Dimensionless between 0 and 1. Percentage of probability densities that are of the same type as the one appearing at quarter aspect angles.
SCINT(20,I)	Angle sector over which probability density type is undetermined and use of mixed process model is required. (degrees)
SCINT(21,I)	Average random pitch rate for ship I in milliradians/second.
SCINT(22,I)	Average random roll rate for ship I in milliradians/second.
SCINT(23,I)	RMS value of pitch for ship I in radians.
SCINT(24,I)	RMS value of roll for ship I in radians.
SCINT(25,I)	Characteristic elevation angle indicating the beginning of increased values of median RCS. (radians)
SCINT(26,I)	Dimensionless ratio of steady power to average random power in case of Rice power statistics.
SCINT(28,I)	Dimensionless mean-to-median ratio of Rice power statistics.
SCINT(29,I)	Constant for elevation dependence of median RCS.
SCINT(30,I)	Ship's hull height above water line in meters. Where: I = target index.

T T Array. Contains time constants, time delays, etc.

Meanings:

- T(1) Low pass filter time constant.
- T(2) DC blocking filter time constant.
- T(3) Relay time delay in seconds.
- T(4) Pitch error filter time constant.
- T(5) Dish servo filter time constant.
- T(6) Dish servo filter time constant.
- T(7) Video threshold.
- T(8) Pulse counter threshold.
- T(9) Delay in acquisition mode to track in seconds.
- T(10) Delay from track to drop track in seconds.
- T(11) Delay in drop mode before search in seconds.
- T(13) Signal filter time constant.
- T(14) Yaw error filter time constant.
- T(15) Timing filter time constant.
- T(16) Threshold on timing filter.
- T(17) Lower range gate limit in microseconds.
- T(18) Upper range gate limit in microseconds.
- T(19) Seeker transmit pulse width in microseconds.
- T(20) Seeker turn-on range in meters.
- T(21) Initial dish offset in degrees.
- T(22) Dish position limit in track mode in degrees.

TDPLOY Target deployment time is the initial time (in seconds) that the target platform location or target response to missile seeker has to be considered, whichever comes first.

APPENDIX D - Additional Definitions (Continued)

Name	Definition (Continued)
X	X integrator array. Meanings: X(1) Receive beam scanner position. X(2) Video low pass filter. X(3) Yaw chopper sync signal. X(4) Pitch chopper sync signal. X(5) DC blocking filter. X(6) Relay delay clock. X(7) Yaw error filter. X(8) Pitch error. X(9) Dish servo filter. X(10) Signal loop filter. X(11) Signal loop filter. X(12) Noise loop filter. X(13) Yaw beam position in degrees. X(14) Pitch beam position in degrees. X(15) Clock for dish pitch motion. X(16) Pulse counter. X(17) Clock. X(18) Prediction gate clock. X(19) Prediction gate leading edge in microseconds. X(20) Search gate leading edge in microseconds. X(21) Track gate leading edge in microseconds. X(24) Lock command level.